WETLAND DETERMINATION DATA FORM - Western Mountains, Valleys, and Coast Region City/County, Classic Sampling Date Project/Site State _____ Sampling Point Applicant/Owner _ Investigator(s) Section, Township, Range Landform (hillstope, terrace, etc.) Local relief (concave, convex, none) ______ Slope (%) Subregion (LRR) NWI classification. Soil Map Unit Name Are climatic / hydrologic conditions on the site typical for this time of year? Yes _ V No _____ (if no, explain in Remarks) Are Vegetation _____. Soil _____ or Hydrology _____significantly disturbed? Are 'Normal Circumstances' present? Yes ____ Are Vegetation Soil or Hydrology naturally problematic? (If needed, explain any answers in Remarks.) SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc. Hydrophytic Vegetation Present? is the Sampled Area Hydric Soil Present? within a Wetland? Wetland Hydrology Present? Remarks. VEGETATION - Use scientific names of plants. Absolute Dominant Indicator Dominance Test worksheet: % Cover Species? Status Tree Stratum (Plot size _____) Number of Dominant Species That Are OBL FACW or FAC Total Number of Dominant Species Across All Strata Percent of Dominant Species = Total Cover That Are OBL FACW, or FAC Sapling/Shrub Stratum (Plot size Prevalence index worksheet: Total % Cover of Multiply by OBL species _____ x 1 = ____ FACW species x 2 = ____ FAC species _____ x 3 = _ FACU species = Total Cover Herp Stratum (Plot size UPL species Column Totals _____ (A) _____ Prevalence Index = B/A = Hydrophytic Vegetation Indicators: ___ Dominance Test is >50% Prevalence Index is \$3.01 ____ Morphological Adaptations (Provide supporting data in Remarks or on a separate sheet) Welland Non-Vascular Plants Problematic Hydrophytic Vegetation (Explain) Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic ____= Total Cover Woody Vine Stratum (Plot size Hydrophytic Vegetation Present? = Total Cover % Bare Ground in Herb Stratum

Remarks

Profile Description: (Describe to the de		
	pth needed to document the Indicator or confirm	the absence of indicators.)
Depth Matrix	Redox Features	
(inches) Color (moist) %	Color (moist) % Type Loc	Texture Remarks
trum ususatht		
0-10 104P1-119		
	-l	
710 1040574	(DUNS 12 37	
		
Type: C=Concentration, D=Depletion, RM	t=Reduced Matrix, CS=Covered or Coated Sand Gri	ains. ² Location. PL=Pore Lining, M=Matrix.
tydric Soil Indicators: (Applicable to al	LRRs, unless otherwise noted.)	indicators for Problematic Hydric Solis':
Histosol (A1)	Sandy Redox (S5)	2 cm Muck (A10)
Histic Epipedon (A2)	Stripped Matrix (S6)	Red Parent Material (TF2)
Black Histic (A3)	Loamy Mucky Mineral (F1) (except MLRA 1)	Other (Explain in Remarks)
Hydrogen Sulfide (A4) Depleted Below Dark Surface (A11)	Loamy Gleyed Matrix (F2)	
Depleted Below Dark Surface (ATT) Thick Dark Surface (A12)	Depleted Matrix (F3) Redox Dark Surface (F6)	Indicators of hydrophytic constants and
_ Sandy Mucky Mineral (S1)	Depleted Dark Surface (F7)	Indicators of hydrophytic vegetation and wetland hydrology must be present.
Sandy Gleyed Matrix (S4)	Redox Depressions (F8)	unless disturbed or problematic.
estrictive Layer (if present):	100 miles (100 miles (
Туре:		
Depth (inches).	<u>-</u>	Hydric Soll Present? Yes No K
temarks		
/DROLOGY		
Vetland Hydrology Indicators:		
Vetland Hydrology Indicators: rimary indicators (minimum of one require	· · · · · · · · · · · · · · · · · · ·	Secondary Indicators (2 or more required)
Vetland Hydrology Indicators: rimary Indicators (minimum of one require Surface Water (A1)	Water-Stained Leaves (B9) (except MLR	
letland Hydrology Indicators: rimary indicators (minimum of one require Surface Water (A1) High Water Table (A2)	Water-Stained Leaves (89) (except MLR 1, 2, 4A, and 4B)	tA Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B)
Petland Hydrology Indicators: rimary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3)	Water-Stained Leaves (89) (except MLR 1, 2, 4A, and 4B) Salt Crust (811)	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10)
Vetland Hydrology Indicators: rimary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1)	Water-Stained Leaves (B9) (except MLR 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13)	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2)
Vetland Hydrology Indicators: rimary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2)	Water-Stained Leaves (89) (except MLR 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1)	Mater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9)
Vetland Hydrology Indicators: timary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3)	Water-Stained Leaves (89) (except MLR 1, 2, 4A, and 4B) Salt Crust (811) Aquatic Invertebrates (813) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9 (C3) Geomorphic Position (D2)
Vetland Hydrology Indicators: rimary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mal or Crust (B4)	Water-Stained Leaves (89) (except MLR 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4)	Mater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) (C3) Geomorphic Position (D2) Shallow Aquitard (D3)
Vetland Hydrology Indicators: rimary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mai or Crust (B4) Iron Deposits (B5)	Water-Stained Leaves (89) (except MLR 1, 2, 4A, and 4B) Salt Crust (811) Aquatic Invertebrates (813) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Titled Soils (C6)	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Vetland Hydrology Indicators: rimary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mal or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6)	Water-Stained Leaves (89) (except MLR 1, 2, 4A, and 4B) Salt Crust (811) Aquatic Invertebrates (813) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Solls (C8) Stunted or Stressed Plants (D1) (LRR A)	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
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Vetland Hydrology Indicators: Vrimary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mai or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B Sparsely Vegetated Concave Surface (eld Observations:	Water-Stained Leaves (89) (except MLR 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Solts (C6) Stunted or Stressed Plants (D1) (LRR A) (7) Other (Explain in Remarks)	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
Vetland Hydrology Indicators: trimary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mai or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B Sparsely Vegetated Concave Surface (leid Observations: urface Water Present?	Water-Stained Leaves (89) (except MLR 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Titled Solts (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) No Depth (inches).	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
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Vetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mai or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B Sparsely Vegetated Concave Surface (Ietd Observations: Furface Water Present? Ves Vater Table Present? Ves Includes capillary fringe)	Water-Stained Leaves (89) (except MLR 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Solts (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) No Depth (inches): No Depth (inches): Wetla	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Is (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Vetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mai or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B Sparsely Vegetated Concave Surface (Ietd Observations: Furface Water Present? Ves Vater Table Present? Ves Includes capillary fringe)	Water-Stained Leaves (89) (except MLR 1, 2, 4A, and 4B) Salt Crust (811) Aquatic Invertebrates (813) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C8) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) No Depth (inches).	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Is (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Anl Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Netland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mai or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B Sparsely Vegetated Concave Surface (Indicated Water Present? Yes Vater Table Present? Yes Saturation Present? Yes Includes capillary fringe) Describe Recorded Data (stream gauge, minimum)	Water-Stained Leaves (89) (except MLR 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Solts (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) No Depth (inches): No Depth (inches): Wetla	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Is (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Anl Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Netland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mail or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B Sparsely Vegetated Concave Surface (Cieté Observations: Surface Water Present? Vater Table Present? Yes Saturation Present? Yes Includes capillary fringe) Describe Recorded Data (stream gauge, minimum)	Water-Stained Leaves (89) (except MLR 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Solts (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) No Depth (inches): No Depth (inches): Wetla	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Is (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Anl Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Vetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mai or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B Sparsely Vegetated Concave Surface (Indicated Water Present? Yes Vater Table Present? Yes Jaturation Present? Yes Jaturation Present? Yes Includes capillary fringe) Jescribe Recorded Data (stream gauge, minimal preservations)	Water-Stained Leaves (89) (except MLR 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Solts (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) No Depth (inches): No Depth (inches): Wetla	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Is (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Anl Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mail or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B Sparsely Vegetated Concave Surface (Concave Water Present? Yes Vater Table Present? Yes Includes capillary fringe)	Water-Stained Leaves (89) (except MLR 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Solts (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) No Depth (inches): No Depth (inches): Wetla	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Is (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Anl Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)

WETLAND DETERMINATION DATA FORM - Western Mountains, Valleys, and Coast Region Project/Site __ Sampling Point Applicant/Owner Section, Township, Range Investigator(s) _ Local relief (concave, convex, none) ____ Landform (hillstope, terrace, etc.) Subregion (LRR) _ __ NWI classification. _ Soil Map Unit Name Are climatic / hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.) Are Vegetation _____ Soil ____ or Hydrology ____ significantly disturbed? Are Normal Circumstances" present? Yes _ Are Vegetation Soil or Hydrology naturally problematic? (If needed, exptain any answers in Remarks.) SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc. Hydrophytic Vegetation Present? is the Sampled Area Yes _____ No _ Hydric Soil Present? within a Wetland? No Welland Hydrology Present? Remarks VEGETATION – Use scientific names of plants. Absolute Dominant Indicator Dominance Test worksheet: % Cover Species? Status Tree Stratum (Plot size _____) Number of Dominant Species That Are OBL, FACW, or FAC Total Number of Dominant Species Across All Strata (B) Percent of Dominant Species That Are OBL FACW, or FAC Sapling/Shrub Stratum (Plot size _____) Prevalence Index worksheet: Total % Cover of Multiply by. OBL species FACW species _ FAC species FACU species ___ = Total Cover UPL species x 5 = ____ Column Totals Prevalence Index = B/A = Hydrophytic Vegetation Indicators: Dominance Test is >50% Prevalence Index is \$3.01 Morphological Adaptations' (Provide supporting data in Remarks or on a separate sheet) Welland Non-Vascular Plants Problematic Hydrophytic Vegetation (Explain) Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic = Total Cover Woody Vine Stratum (Plot size Hydrophytic Vegetation Present? = Total Cover % Bare Ground in Herb Stratum _ Remarks

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Sampling Point 473

pepth (Describe to the Describe to the Depth (Matrix Color (moist) %	Redox Features Color (moist) % Type Loc²	Texture Remarks
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to tothold	_ 114500 31	·
C-Co-contration D-Danleton I	PM-Poduced Nature CS-Counted as Cooled Cooled	
	RM=Reduced Matrix, CS=Covered or Coated Sand C all LRRs, unless otherwise noted.)	Grains. Location: PL=Pore Lining, M=Matrix. Indicators for Problematic Hydric Solis':
Histosol (A1)	Sandy Redox (S5)	2 cm Muck (A10)
Histic Epipedon (A2)	Stripped Matrix (S6)	Red Parent Material (TF2)
Black Histic (A3)	Loamy Mucky Mineral (F1) (except MLRA 1) Other (Explain in Remarks)
Hydrogen Sulfide (A4)	Loamy Gleyed Matrix (F2)	
Depleted Below Dark Surface (A11) Thick Dark Surface (A12)	Depleted Matrix (F3) Redox Dark Surface (F6)	Allegations and the control of the c
Thick Dark Surface (A12) Sandy Mucky Mineral (S1)	Redox Dark Sunace (F6) Depleted Dark Sunace (F7)	Indicators of hydrophytic vegetation and wetland hydrology must be present.
Sandy Gleyed Matrix (S4)	Redox Depressions (F8)	unless disturbed or problematic.
strictive Layer (if present):		arrest distance of problemate.
Туре:		· ·
Depth (inches).		Hydric Soil Present? Yes No X
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DROLOGY Itland Hydrology Indicators: mary Indicators (minimum of one requ	uired, check all that apply)	Secondary Indicators (2 or more required)
DROLOGY tland Hydrology Indicators: mary Indicators (minimum of one requ Surface Water (A1)	uired, check all that apply) Water-Stained Leaves (89) (except Mi	Secondary Indicators (2 or more required) LRA Water-Stained Leaves (89) (MLRA 1, 2)
DROLOGY tland Hydrology Indicators: mary Indicators (minimum of one requ Surface Water (A1) High Water Table (A2)	uired, check all that apply) Water-Stained Leaves (B9) (except Miles) 1, 2, 4A, and 4B)	Secondary Indicators (2 or more required) LRA Water-Stained Leaves (89) (MLRA 1, 2 4A, and 4B)
DROLOGY tland Hydrology Indicators: mary Indicators (minimum of one requ Surface Water (A1)	uired, check all that apply) Water-Stained Leaves (89) (except Mt	Secondary Indicators (2 or more required) LRA Water-Stained Leaves (89) (MLRA 1, 1, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2,
DROLOGY tland Hydrology Indicators: mary Indicators (minimum of one requ Surface Water (A1) High Water Table (A2) Saturation (A3)	uired, check all that apply) Water-Stained Leaves (B9) (except Miles) 1, 2, 4A, and 4B)	Secondary Indicators (2 or more required) LRA Water-Stained Leaves (89) (MLRA 1, 2 4A, and 4B) Drainage Patterns (810) Dry-Season Water Table (C2)
DROLOGY tland Hydrology Indicators: mary Indicators (minimum of one requ Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1)	uired, check all that apply) Water-Stained Leaves (89) (except Mt	Secondary Indicators (2 or more required) LRA
DROLOGY Itland Hydrology Indicators: mary Indicators (minimum of one required one sequence) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2)	wired, check all that apply) Water-Stained Leaves (89) (except Mt 1, 2, 4A, and 4B) Salt Crust (811) Aquatic Invertebrates (813) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Ro	Secondary Indicators (2 or more required) LRA
DROLOGY Itland Hydrology Indicators: mary Indicators (minimum of one required for the second f	wired, check all that apply) Water-Stained Leaves (89) (except Mt 1, 2, 4A, and 4B) Salt Crust (811) Aquatic Invertebrates (813) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Ro	Secondary Indicators (2 or more required) LRA
DROLOGY Itland Hydrology Indicators: mary Indicators (minimum of one requisions) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mai or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6)	wired, check all that apply) Water-Stained Leaves (89) (except Miles) 1, 2, 4A, and 4B) Salt Crust (811) Aquatic Invertebrates (813) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roman Communication (C4) Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C5) Stunted or Stressed Plants (D1) (LRR)	Secondary Indicators (2 or more required) LRA
DROLOGY Itland Hydrology Indicators: mary Indicators (minimum of one requisions) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mai or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery	Water-Stained Leaves (89) (except Miles) Water-Stained Leaves (89) (except Miles) 1, 2, 4A, and 4B) Salt Crust (811) Aquatic Invertebrates (813) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roman (C4) Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C4) Stunted or Stressed Plants (D1) (LRR (C4)) (B7) Other (Explain in Remarks)	Secondary Indicators (2 or more required) LRA
DROLOGY tland Hydrology Indicators: mary Indicators (minimum of one required for the second for	Water-Stained Leaves (89) (except Miles) Water-Stained Leaves (89) (except Miles) 1, 2, 4A, and 4B) Salt Crust (811) Aquatic Invertebrates (813) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roman (C4) Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C4) Stunted or Stressed Plants (D1) (LRR (C4)) (B7) Other (Explain in Remarks)	Secondary Indicators (2 or more required) LRA
DROLOGY Itland Hydrology Indicators: mary Indicators (minimum of one required surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mail or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery Sparsely Vegetated Concave Surface Id Observations:	wired, check all that apply) Water-Stained Leaves (89) (except Mt 1, 2, 4A, and 4B) Salt Crust (811) Aquatic Invertebrates (813) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheras along Living Royalder (C4) Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C4) Stunted or Stressed Plants (D1) (LRR (C4)) ((87) Other (Explain in Remarks)	Secondary Indicators (2 or more required) LRA
DROLOGY Itland Hydrology Indicators: mary Indicators (minimum of one requisions) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mail or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery Sparsely Vegetated Concave Surface Id Observations: face Water Present? Yes	Water-Stained Leaves (89) (except Mt 1, 2, 4A, and 4B) Salt Crust (811) Aquatic Invertebrates (813) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Ro Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (Case) Stunted or Stressed Plants (D1) (LRR 20) ((87) Other (Explain in Remarks) Depth (inches)	Secondary Indicators (2 or more required) LRA
DROLOGY Internal Hydrology Indicators: Mary Indicators (minimum of one requisions) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mail or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery Sparsely Vegetated Concave Surface (B4) Indicated Water Present? Yes Internal Table Present?	Water-Stained Leaves (89) (except Miles) Water-Stained Leaves (89) (except Miles) 1, 2, 4A, and 4B) Salt Crust (811) Aquatic Invertebrates (813) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roman (C4) Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (Called or Stressed Plants (D1) (LRR (B7)) (B7) Other (Explain in Remarks) Ce (B8) No Depth (inches):	Secondary Indicators (2 or more required) LRA
DROLOGY Istand Hydrology Indicators: mary Indicators (minimum of one requisions) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mail or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery Sparsely Vegetated Concave Surface Id Observations: fface Water Present? Yes Liter Table Present? Yes	Water-Stained Leaves (89) (except Miles) Water-Stained Leaves (89) (except Miles) 1, 2, 4A, and 4B) Salt Crust (811) Aquatic Invertebrates (813) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roman (C4) Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (Called or Stressed Plants (D1) (LRR (B7)) (B7) Other (Explain in Remarks) Ce (B8) No Depth (inches):	Secondary Indicators (2 or more required) LRA
DROLOGY Itland Hydrology Indicators: mary Indicators (minimum of one requisions) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mai or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery Sparsely Vegetated Concave Surface (B4) Id Observations: face Water Present? Ves uration Present? Yes Siddes capillary fringe)	Water-Stained Leaves (89) (except Miles) Water-Stained Leaves (89) (except Miles) 1, 2, 4A, and 4B) Salt Crust (811) Aquatic Invertebrates (813) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roman (C4) Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (Called or Stressed Plants (D1) (LRR (B7)) (B7) Other (Explain in Remarks) Ce (B8) No Depth (inches):	Secondary Indicators (2 or more required) LRA
DROLOGY Internal Hydrology Indicators: mary Indicators (minimum of one requisions) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mai or Crust (B4) fron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery Sparsely Vegetated Concave Surfact Id Observations: face Water Present? Yes utration Present? Yes scribe Recorded Data (stream gauge	Water-Stained Leaves (89) (except Mt 1, 2, 4A, and 4B) Salt Crust (811) Aquatic Invertebrates (813) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Ro Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C Stunted or Stressed Plants (D1) (LRR / (B7)) Other (Explain in Remarks) to (88) No Depth (inches): No Depth (inches):	Secondary Indicators (2 or more required) LRA
DROLOGY Internal Hydrology Indicators: mary Indicators (minimum of one requisions) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mal or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery Sparsely Vegetated Concave Surfact Id Observations: face Water Present? Yes Inter Table Present? Yes Intertable Present? Yes Intertable Present? Yes Intertable Recorded Data (stream gauge	Water-Stained Leaves (89) (except Mt 1, 2, 4A, and 4B) Salt Crust (811) Aquatic Invertebrates (813) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Ro Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C Stunted or Stressed Plants (D1) (LRR / (B7)) Other (Explain in Remarks) to (88) No Depth (inches): No Depth (inches):	Secondary Indicators (2 or more required) LRA
High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mai or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery Sparsely Vegetated Concave Surface Ild Observations: flace Water Present? Interest Yes I	Water-Stained Leaves (89) (except Mt 1, 2, 4A, and 4B) Salt Crust (811) Aquatic Invertebrates (813) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Ro Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C Stunted or Stressed Plants (D1) (LRR / (B7)) Other (Explain in Remarks) to (88) No Depth (inches): No Depth (inches):	Secondary Indicators (2 or more required) LRA

WETLAND DETERMINATION DATA FORM - Western Mountains, Valleys, and Coast Region _ City/County. Claudam ____ Sampling Date & Project/Site _ Applicant/Owner Y Y State Sampling Point ____ Section, Township, Range Investigator(s) Landform (hillslope ferrace, etc.) Local relief (concave, convex, none): Stope (%) Long: _____ Datum. _ Subregion (LRR) NWI classification Soil Map Unit Name Are climatic / hydrologic conditions on the site typical for this time of year? Yes _____ No _____ (If no, explain in Remarks.) Are "Normal Circumstances" present? Yes ____ Are Vegetation _____ Soil _____ or Hydrology ______orgnificantly disturbed? Are Vegetation Soil or Hydrology naturally problematic? (If needed, explain any answers in Remarks.) SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc. Hydrophytic Vegetation Present? is the Sampled Area Hydric Soil Present? within a Wetland? Weiland Hydrology Present? Remarks. VEGETATION - Use scientific names of plants. Absolute Dominant Indicator Dominance Test worksheet: % Cover Species? Status Tree Stratum (Plot size _____) Number of Dominant Species That Are OBL FACW, or FAC. Total Number of Dominant Species Across All Strata Percent of Dominant Species That Are OBL FACW, or FAC Sapling/Shrub Stratum (Plot size Prevalence Index worksheet: Total % Cover of Multiply by OBL species _____ x1 = _____ FACW species _____ x 2 = ____ __ x 3 = _ FAC species ____ FACU species = Total Cover Herb Stratum (Plot size UPL species x 5 = ____ Column Totals ______ (A) _____ Prevalence index = B/A = _ Hydrophytic Vegetation Indicators: Dominance Test is >50% Prevalence index is \$3.01 ___ - Morphological Adaptations' (Provide supporting data in Remarks or on a separate sheet) Wetland Non-Vascular Plants Problematic Hydrophytic Vegetation (Explain) Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic = Total Cover Woody Vine Stratum (Plot size Hydrophytic Vegetation Present? = Total Cover % Bare Ground in Herb Stratum Remarks

SOIL		Sampling Point: 1
Profile Description: (Describe to the dept	h needed to document the indicator or confirm	the absence of indicators.)
Depth Matrix (inches) Color (moist) %	Redox Features Color (moist) % Type Loc²	
tilicines) Coldi (moist) &	Color (moist) % Type Loc2	Texture Remarks
0-13 104933 100		
512 11910000		
100	11712417	
 		
17 00 00 00 00 00 00		
Type: C=Concentration, D=Depletion, RM= Hydric Soil Indicators: (Applicable to all L	Reduced Matrix, CS=Covered or Coated Sand Gri	ains. ² Location: PL=Pore Lining, M=Matrix. Indicators for Problematic Hydric Soils ³ :
Histosol (A1)	Sandy Redox (S5)	2 cm Muck (A10)
Histic Epipedon (A2)	Stripped Matrix (S6)	Red Parent Material (TF2)
Black Histic (A3)	Loamy Mucky Mineral (F1) (except MLRA 1)	Other (Explain in Remarks)
Hydrogen Sulfide (A4)	Loamy Gleyed Matrix (F2)	
Depleted Below Dark Surface (A11)	Depleted Matrix (F3)	•
Thick Dark Surface (A12)	Redox Dark Surface (F6)	Indicators of hydrophytic vegetation and
Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4)	Depleted Dark Surface (F7) Redox Depressions (F8)	wetland hydrology must be present.
Restrictive Layer (if present):	Redux Depressions (Fd)	unless disturbed or problematic.
Type		
Depth (inches):		Hydric Soll Present? Yes No
Remarks		Hydric Soil Present? Yes No K
HYDROLOGY Wetland Hydrology Indicators:		
Primary Indicators (minimum of one required	check all that apply)	Secondary Indicators (2 or more required)
Surface Water (A1)	Water-Stained Leaves (B9) (except MLR	tA Water-Stained Leaves (89) (MLRA 1, 2,
High Water Table (A2)	1, 2, 4A, and 4B)	4A, and 4B)
Saturation (A3)	Salt Crust (B11)	Drainage Patterns (B10)
Water Marks (B1)	Aquatic Invertebrates (B13)	Dry-Season Water Table (C2)
Sediment Deposits (B2)	Hydrogen Sulfide Odor (C1)	Saturation Visible on Aerial Imagery (C9
Drift Deposits (B3)	Oxidized Rhizospheres along Living Roo	ts (C3) Geomorphic Position (D2)
Algal Mat or Crust (B4)	Presence of Reduced Iron (C4)	Shallow Aquitard (D3)
Iron Deposits (B5)	Recent Iron Reduction in Titled Soils (C8	
Surface Soil Cracks (86)	Stunted or Stressed Plents (D1) (LRR A)	
Inundation Visible on Aerial Imagery (87)		Frost-Heave Hummocks (D7)
Sparsely Vegetated Concave Surface (Bi	01	
Field Observations:	- Doub (seeboo)	
Surface Water Present? Yes N	O Depth (inches).	
<u> </u>	o Depth (inches):	
Saturation Present? Yes N (includes capillary fringe)	o Depth (inches): Wetla	end Hydrology Present? Yes No
	nitoring well, aerial photos, previous Inspections), i	f available:
Remarks		

WETLAND DETERMINATION DATA FORM - Western Mountains, Valleys, and Coast Region Project/Site _____ State _____ Sampling Point Applicant/Owner. _ Section, Township, Range _ Investigator(s) Local relief (concave, convex, none) ______ Stope (%) Landform (hilfstope, terrace, etc.) Subregion (LRR) NWI classification Soil Map Unit Name Are climatic / hydrologic conditions on the site typical for this time of year? Yes - X No (If no, explain in Remarks.) Are Vegetation _____ Soil _____ or Hydrology _____ agniticantly disturbed? Are "Normal Circumstances" present? Yes ____ Are Vegetation Soit or Hydrology naturally problematic? (If needed, explain any answers in Remarks.) SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc. -Hydrophytic Vegetation Present? is the Sampled Area Hydric Soil Present? Yes ____ No_ within a Wetland? Wetland Hydrology Present? Nο Remarks VEGETATION - Use scientific names of plants. Absolute Dominant Indicator Dominance Test worksheet: Tree Stratum (Plot size % Cover Species? Status Number of Dominant Species That Are OBL, FACW, or FAC Total Number of Dominant Species Across All Strala Percent of Dominant Species = Total Cover (A/B) That Are OBL FACW, or FAC Sapling/Shrub Stratum (Plot size Prevalence Index worksheet: Total % Cover of Multiply by. OBL species __ ___ x 1 = ____ FACW species FACU species = Total Cover x 5 = _____ Herb Stratum (Piol size UPL species Viucare Prevalence Index = B/A = Hydrophytic Vegetation Indicators: Daloninata ___ Dominance Test is >50% Prevalence Index is \$3.0° ____ Morphological Adaptations' (Provide supporting data in Remarks or on a separate sheet) Wetland Non-Vascular Plants Problematic Hydrophytic Vegetation (Explain) indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic 5 = Total Cover Woody Vine Stratum (Plot size Hydrophytic Vegetation Present? = Total Cover % Bare Ground in Herb Stratum Remarks

Profile Description: (Describe to the de	pth needed to document the Indicator or confirm	the phages of indicators !
Depth Matrix	Redox Features	i the absence of indicators.)
(inches) Color (moist) %	Color (moist) % Type Loc²	Texture Remarks
0-12 104AH3 I	DD:1:	
zia luuhloja	1018610 101: 10184110 201.	
Tues CoConnectation DeDeptaton Ch		
Hydric Soil Indicators: (Applicable to al	I=Reduced Matrix, CS=Covered or Coated Sand Gr	
Histosol (A1)	Sandy Redox (S5)	Indicators for Problematic Hydric Soils':
Histic Epipedon (A2)	Stripped Malrix (S6)	2 cm Muck (A10)
Black Histic (A3)	Losmy Mucky Mineral (F1) (except MLRA 1)	Red Parent Material (TF2) Other (Explain in Remarks)
Hydrogen Sulfide (A4)	Loamy Gleyed Matrix (F2)	Other (Explain in Remarks)
Depleted Below Dark Surface (A11)	Depleted Matrix (F3)	•
Thick Dark Surface (A12)	Redox Dark Surface (F6)	Indicators of hydrophytic vegetation and
Sandy Mucky Mineral (S1)	Depleted Dark Surface (F7)	wetland hydrology must be present
Sandy Gleyed Matrix (S4)	Redox Depressions (F8)	unless disturbed or problematic.
Restrictive Layer (If present):		
• • • •		1
Туре		
		Hydric Soll Present? Yes No
Type		Hydric Soll Present? Yes No
Type		
Type	d; check all that apply)	Secondary Indicators (2 or more required)
Type	d; check all that apply) Water-Stained Leaves (BB) (except MLR	Secondary Indicators (2 or more required)
Type	d: check all that apply) Water-Stained Leaves (BB) (except MLR 1, 2, 4A, and 4B)	Secondary Indicators (2 or more required) A Water-Stained Leaves (B9) (MLRA 1, 4A, and 4B)
Type	d: check all that apply} Water-Stained Leaves (89) (except MLR 1, 2, 4A, and 4B) Salt Crust (811)	Secondary Indicators (2 or more required) A Water-Stained Leaves (B9) (MLRA 1,
Type	d: check all that apply) Water-Stained Leaves (89) (except MLR 1, 2, 4A, and 4B) Salt Crust (811) Aquatic Invertebrates (813)	Secondary Indicators (2 or more required) A Water-Stained Leaves (B9) (MLRA 1,
Type	d: check all that apply) Water-Stained Leaves (BB) (except MLR 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1)	Secondary Indicators (2 or more required) A Water-Stained Leaves (B9) (MLRA 1,
Type	d: check all that apply) — Water-Stained Leaves (89) (except MLR 1, 2, 4A, and 4B) — Salt Crust (811) — Aquatic Invertebrates (813) — Hydrogen Sulfide Odor (C1) — Oxidized Rhizospheres along Living Root	Secondary Indicators (2 or more required) A Water-Stained Leaves (B9) (MLRA 1,
Type	d: check all that apply) — Water-Stained Leaves (89) (except MLR 1, 2, 4A, and 4B) — Salt Crust (811) — Aquatic Invertebrates (813) — Hydrogen Sulfide Odor (C1) — Oxidized Rhizospheres along Living Root — Presence of Reduced Iron (C4)	Secondary Indicators (2 or more required) A
Type Depth (inches). Remarks YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5)	d_check all that apply) Water-Stained Leaves (89) (except MLR 1, 2, 4A, and 4B) Salt Crust (811) Aquatic Invertebrates (813) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soits (C6)	Secondary Indicators (2 or more required) A
Type	d: check all that apply) — Water-Stained Leaves (88) (except MLR 1, 2, 4A, and 4B) — Salt Crust (811) — Aquatic Invertebrates (813) — Hydrogen Sulfide Odor (C1) — Oxidized Rhizospheres along Living Root — Presence of Reduced Iron (C4) — Recent Iron Reduction in Tilled Soits (C6) — Stunted or Stressed Plants (D1) (LRR A)	Secondary Indicators (2 or more required) A
Type Depth (inches). Remarks YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5)	d: check all that apply) — Water-Stained Leaves (89) (except MLR 1, 2, 4A, and 4B) — Salt Crust (811) — Aquatic Invertebrates (813) — Hydrogen Sulfide Odor (C1) — Oxidized Rhizospheres along Living Root — Presence of Reduced Iron (C4) — Recent Iron Reduction in Tilled Soits (C6) — Stunted or Stressed Plants (D1) (LRR A) 7) — Other (Explain in Remarks)	Secondary Indicators (2 or more required) A
Type Depth (inches). Remarks YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B Sparsely Vegetated Concave Surface (B1)	d: check all that apply) — Water-Stained Leaves (89) (except MLR 1, 2, 4A, and 4B) — Salt Crust (811) — Aquatic Invertebrates (813) — Hydrogen Sulfide Odor (C1) — Oxidized Rhizospheres along Living Root — Presence of Reduced Iron (C4) — Recent Iron Reduction in Tilled Soits (C6) — Stunted or Stressed Plants (D1) (LRR A) 7) — Other (Explain in Remarks)	Secondary Indicators (2 or more required) A
Type Depth (inches). Remarks YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algai Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B Sparsely Vegetated Concave Surface (Isid Observations:	d: check all that apply) — Water-Stained Leaves (89) (except MLR 1, 2, 4A, and 4B) — Salt Crust (811) — Aquatic Invertebrates (813) — Hydrogen Sulfide Odor (C1) — Oxidized Rhizospheres along Living Root — Presence of Reduced Iron (C4) — Recent Iron Reduction in Tilled Soits (C6) — Stunted or Stressed Plants (D1) (LRR A) 7) — Other (Explain in Remarks)	Secondary Indicators (2 or more required) A
Type Depth (inches). Remarks YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algai Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B Sparsely Vegetated Concave Surface (Isld Observations: urface Water Present? Yes	d: check all that apply) — Water-Stained Leaves (BB) (except MLR 1, 2, 4A, and 4B) — Salt Crust (B11) — Aquatic Invertebrates (B13) — Hydrogen Sulfide Odor (C1) — Oxidized Rhizospheres along Living Root — Presence of Reduced Iron (C4) — Recent Iron Reduction in Tilled Soits (C8) — Stunted or Stressed Plants (D1) (LRR A) 7) — Other (Explain in Remarks)	Secondary Indicators (2 or more required) A

Remarks

WETLAND DETERMINATION DATA FORM - Western Mountains, Valleys, and Coast Region Project/Site _ State _____ Sampling Point Applicant/Owner ___ Section, Township, Range Investigator(s) _____Local relief (concave, convex, none) Landform (hillstope terrace, etc) Subregion (LRR) NWI classification Soil Map Unit Name ___ Are climatic / hydrologic conditions on the site typical for this time of year? Yes __ K No. (If no, explain in Remarks.) Are 'Normal Circumstances' present? Yes _____ No K Are Vegetation _____ Soil _____ or Hydrology _____ significantly disturbed? Are Vegetation Soil or Hydrology naturally problematic? (If needed, explain any answers in Remarks.) SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc. Hydrophytic Vegetation Present? is the Sampled Area Hydric Soil Present? within a Wetland? Weiland Hydrology Present? Remarks VEGETATION - Use scientific names of plants. Absolute Dominant Indicator Dominance Test worksheet: % Cover Species? Status Tree Stratum (Plot size Number of Dominant Species That Are OBL, FACW, or FAC (A) Total Number of Dominant Species Across All Strata Percent of Dominant Species = Total Cover (A/B) That Are OBL FACW, or FAC Sapling/Shrub Stratum (Plot size _____) Prevalence index worksheet: Total % Cover of Multiply by OBL species _____ x 1 = ____ __ x 2 = _____ FACW species ____ __ ×3= FAC species ____ FACU species = Total Cover UPL species ×5=____ Herb Stratum (Plot size Column Totals _____ (A) _____ Prevalence Index = B/A = __ Hydrophytic Vegetation Indicators: _ Dominance Test is >50% Prevalence Index is ≤3 0° Morphological Adaptations (Provide supporting data in Remarks or on a separate sheet) Welland Non-Vascular Plants Problematic Hydrophytic Vegetation (Explain) 'Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic Total Cover Woody Vine Stratum (Plot size Hydrophytic Vegetation Present? ____= Total Cover 1/4: Bare Ground in Herb Stratum _____ Remarks

SOIL		Sampling Point: 12
Profile Description: (Describe to the de	oth needed to document the indicator or confirm	the absence of indicators.)
Depth Matrix (inches) Color (moist) %	Redox Features	
(inches) Color (moist) %	Color (moist) % Type Loc ²	Texture Remarks
5-12 JOURS 13 10	\(\tilde{\chi} \)	
		
712 1/1/1/6/2	IN 12816 151.	
	11910011001	
	LOGE MAD 171	
		······································
<u> </u>		
Type: C=Concentration, D=Depletion, RM	=Reduced Matrix, CS=Covered or Coated Sand Gra	iins. ² Location. PL=Pore Lining, M=Matrix.
Hydric Soil Indicators: (Applicable to all	LRRs, unless otherwise noted.)	indicators for Problematic Hydric Soils*:
Hislosol (A1)	Sandy Redox (S5)	2 cm Muck (A10)
Histic Epipedon (A2)	Stripped Matrix (\$6)	Red Parent Material (TF2)
Black Histic (A3)	Loamy Mucky Mineral (F1) (except MLRA 1)	Other (Explain in Remarks)
 Hydrogen Sulfide (A4) Depleted Below Dark Surface (A11) 	Loamy Gleyed Matrix (F2)	
Thick Dark Surface (A12)	Depleted Matrix (F3) Redox Dark Surface (F6)	
Sandy Mucky Mineral (S1)	Depleted Dark Surface (F7)	Indicators of hydrophytic vegetation and wetland hydrology must be present.
Sandy Gleyed Matrix (S4)	Redox Depressions (F8)	unless disturbed or problematic.
Restrictive Layer (if present):		
Type:		١.
Depth (inches).		Hydric Soll Present? Yes No X
"Stight show	_ .	
HYDROLOGY		
Wetland Hydrology Indicators:		
Primary Indicators (minimum of one require	check all that apply)	Secondary Indicators (2 or more required)
Surface Water (A1)	Water-Stained Leaves (B9) (except MLR/	A Water-Stained Leaves (B9) (MLRA 1, 2,
High Water Table (A2)	1, 2, 4A, and 4B)	4A, and 4B)
Saturation (A3)	Salt Crust (B11)	Drainage Patterns (B10)
Water Marks (B1)	Aquatic Invertebrates (B13)	Dry-Season Water Table (C2)
Sediment Deposits (B2)	Hydrogen Sulfide Odor (C1)	Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3)	Oxidized Rhizospheres along Living Roots	s (C3) Geomorphic Position (D2)
Aigal Mat or Crust (B4)	Presence of Reduced Iron (C4)	Shallow Aquitard (D3)
Iron Deposits (B5)	Recent Iron Reduction in Tilled Soils (C6)	
Surface Soil Cracks (86)	Stunted or Stressed Plants (D1) (LRR A)	Raised Ant Mounds (D6) (LRR A)
Inundation Visible on Aerial Imagery (B' Sparsely Vegetated Concave Surface (I	_ , ,	Frost-Heave Hummocks (D7)
Field Observations:	DO 1	
	No. Donth (rochae)	
Surface Water Present? Yes Water Table Present? Yes	No Depth (inches):	
· \		V
Saturation Present? Yes X (includes capillary fringe)		nd Hydrology Present? Yes X No
Describe Recorded Data (stream gauge, mo	initoring well, aerial photos, previous Inspections), if	available
Remarks		

WETLAND DETERMINATION DATA FORM - Western Mountains, Valleys, and Coast Region

oject/Site DZ		City/C	ounty ()	UOm Sampli	ng Dale <u>3:23:</u> 1(
oplicant/Owner NOWUS	190			State Sampli	12.70
vestigator(s)		Section		ige	
andform (hillslope: terrace, etc.)					
ubregion (LRR)					
_				NWI classification.	
oil Map Unit Name					
e climatic / hydrologic conditions on t				Normal Circumstances" present?	, , , , , , , , , , , , , , , , , , , ,
re Vegetation Soil or					
e Vegetation Soil or				eded explain any answers in Re	
UMMARY OF FINDINGS - A	ttach site map sho	wing san	pling point lo	ocations, transects, impo	ortant features, etc.
Hydrophytic Vegetation Present?	Yes No		ie the Samulad	Aran	
Hydric Soil Present?	Yes No		is the Sampled within a Wetlan		۵X
Wetland Hydrology Present?	Yes No			1 1 5 2 1 T	-
Remarks					
EGETATION - Use scientific	Ab		ninant Indicator	Dominance Test worksheet:	
Tree Stratum (Plot size				Number of Dominant Species That Are OBL, FACW, or FAC	(A)
?				Total Number of Dominant	
)				Species Across All Strata	(B)
·		= To	otal Cover	Percent of Dominant Species That Are OBL FACW, or FAC	(A/B)
Sapling/Shrub Stratum (Plot size				Prevalence Index worksheet	
1				Total % Cover of	
?				OBL species	
3				FACW species	
				FAC species	
	-		otal Cover	FACU species	x 4 =
Herb Stratum (Plot size		10 1	(1101	UPL species	
h. hulate.		张元	- 15F	Column Totals	(A)(B)
D. CHEOTO	<u> </u>	33 4		Prevalence Index = B/A	=
P. larceola	1 0	⋨⋉⋨	C FOCI	Hydrophytic Vegetation Indi	
D. CHOYNEL CO	4	<u> </u>	FAC.	Dominance Test is >50%	
F. CLUNICA			,	Prevalence Index is \$3.0°	
7				Morphological Adaptation data in Remarks or on	s' (Provide supporting a separate sheet)
8				Welland Non-Vascular Pi	
9				Problematic Hydrophytic	Vegetation ¹ (Explain)
10				'indicators of hydric soil and vibe present, unless disturbed to	vetland hydrology must
11		20- TO	otal Cover	be present, unless disturbed t	n provientano.
Woody Vine Stratum (Plot size					
1				Hydrophytic Vegetation	1.
				Present? Yes	No <u>X</u> _
2					
	~(= To	olal Cover		
2	5:(, -	= T(

SOIL	•	Sampling Point:
Profile Description: (Describe to the dep	oth needed to document the indicator or confir	
Depth Matrix	Redox Features	
(inches) Color (moist) %	Color (moist) % Type Loc2	Texture Remarks
17114 11711212 15		
10-10 100000 10	O(
15.77	V=-2-11:	
716 WHO	104/24/10 10.1.	
		· '
7		·
Hydric Soil Indicators: (Applicable to all	Reduced Matrix, CS=Covered or Coated Sand C	
Histosol (A1)	Sandy Redox (S5)	Indicators for Problematic Hydric Soils ³ :
Histic Epipedon (A2)	Stripped Matrix (S6)	2 cm Muck (A10) Red Parent Material (TF2)
Black Histic (A3)	Loamy Mucky Mineral (F1) (except MLRA 1	
Hydrogen Sulfide (A4)	Loamy Gleyed Matrix (F2)	
Depleted Below Dark Surface (A11)	Depleted Matrix (F3)	•
Thick Dark Surface (A12)	Redox Dark Surface (F6)	Indicators of hydrophytic vegetation and
Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4)	Depleted Dark Surface (F7) Redox Depressions (F8)	wetland hydrology must be present.
Restrictive Layer (If present):		unless disturbed or problematic.
Туре		
Depth (inches).		Hydric Solt Present? Yes No
Remarks	THE STATE OF THE S	
HYDROLOGY	The state of the s	enter transition of the state o
Wetland Hydrology Indicators:		
Primary Indicators (minimum of one require	t check oil that south)	Consider the disease of Consideration of the consid
Surface Water (A1)	Water-Stained Leaves (B9) (except ML	Secondary Indicators (2 or more required)
High Water Table (A2)	1, 2, 4A, and 4B)	RA Water-Stained Leaves (89) (MERA 1, 2, 4A, and 4B)
Saturation (A3)	Salt Crust (B11)	Drainage Patterns (B10)
Water Marks (B1)	Aquatic Invertebrates (B13)	Dry-Season Water Table (C2)
Sediment Deposits (B2)	Hydrogen Sulfide Odor (C1)	Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3)	Oxidized Rhizospheres along Living Ro	
Algal Mat or Crust (B4)	Presence of Reduced Iron (C4)	Shallow Aquitard (D3)
Iron Deposits (B5)	Recent Iron Reduction in Tilled Soils (C	
Surface Soil Cracks (B6)	Stunted or Stressed Plants (D1) (LRR A	A) Reised Ant Mounds (D6) (LRR A)
Inundation Visible on Aerial Imagery (B)		Frost-Heave Hummocks (D7)
Sparsely Vegetated Concave Surface (I	38)	
Field Observations:		
Surface Water Present? Yes Water Table Present? Yes	No Depth (inches).	
	7,	
Saturation Present? Yes (includes capillary fringe)	No Depth (inches): Wet	land Hydrology Present? Yes No
Describe Recorded Data (stream gauge, mo	nitoring well, aerial photos, previous inspections),	if available.
Remarks		

WETLAND DETERMINATION DATA FORM - Western Mountains, Valleys, and Coast Region COM _ _ Sampling Date: Project/Site _ _ State Sampling Point Applicant/Owner Section, Township, Range. Investigator(s) __ Local relief (concave, convex, none) ______ Slope (%) Landform (hillslope terrace, etc.) __ Long: ___ Subregion (LRR) ___ NWI classification Soil Map Unit Name Are climatic / hydrologic conditions on the site typical for this time of year? Yes 🗶 No _____ (If no, explain in Remarks.) Are Vegetation _____. Soil _____ or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes ____ Are Vegetation ____ Soil ____ ci Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.) SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc. Hydrophytic Vegetation Present? is the Sampled Area Yes _____ No Hydric Soil Present? within a Wetland? Yes _____ No Wetland Hydrology Present? Remarks. VEGETATION - Use scientific names of plants. Absolute Dominant Indicator Dominance Test worksheet: Tree Stratum (Plot size _____) % Cover Species? Status Number of Dominant Species That Are OBL FACW, or FAC. Total Number of Dominant (B) Species Across All Strata Percent of Dominant Species ____ = Total Cover That Are OBL, FACW, or FAC Saping/Shrub Stratum (Plot size Prevalence Index worksheet: 1 Total % Cover of OBL species FACW species __ FAC species _____ FACU species ___ x 4 = ____ = Total Cover UPL species x 5 = ____ Herb Stratum (Plot size Column Totals. _____ (A) ____ (B) Prevalence Index = B/A = __ Hydrophytic Vegetation Indicators: Dominance Test is >50% Prevalence Index is 53.01 ___- Morphological Adaptations1 (Provide supporting data in Remarks or on a separate sheet) Wetland Non-Vascular Plants Problematic Hydrophytic Vegetation (Explain) Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic D= Total Cover Woody Vine Stratum (Plot size Hydrophytic Vegetation Present? = Total Cover % Bare Ground in Herb Stratum _ Remarks

OIL ·			
Profile Description: (Describe to the dep	oth needed to document the indicator or con-	firm the absen	ce of indicators.)
Depth Matrix	Redox Features		
(inches) Color (moist) %	Color (moist) % Type Lac	Y Texture	Remarks
			
1-10 10401011	<u> </u>		
!			
216 104613_	1000416 150		
			
			
			
<u> </u>	=Reduced Matrix, CS=Covered or Coated Sand		ocation: PL=Pore Lining, M=Matrix.
lydric Soil Indicators: (Applicable to all	•		ators for Problematic Hydric Soils':
Histosol (A1) Histic Epipedon (A2)	Sandy Redox (S5)	_	cm Muck (A10)
Black Histic (A3)	Stripped Matrix (S6) Loamy Mucky Mineral (F1) (except MLRA	_	ted Parent Material (TF2) Other (Explain in Remarks)
Hydrogen Sulfide (A4)	Loamy Gleyed Matrix (F2)		the (Expen of General)
Depieted Below Dark Surface (A11)	Depleted Matrix (F3)		•
Thick Dark Surface (A12)	Redox Dark Surface (F6)	indica	ators of hydrophytic vegetation and
Sandy Mucky Mineral (S1)	Depleted Dark Surface (F7)		tland hydrology must be present.
Sandy Gleyed Matrix (S4)	Redox Depressions (F8)	امن	less disturbed or problematic.
lestrictive Layer (if present):		}	
Type:		}	1.0
		مصنعيا	- M
Depth (inches):		Hydric So	oli Present? Yes No <u>K</u>
Depth (inches):		Hydric S	
Depth (inches): ternarks YDROLOGY			
Depth (inches): Itemarks FDROLOGY Vetland Hydrology Indicators:	d, check all that apply)	Se:	
Pepth (inches): Permarks PDROLOGY Vetland Hydrology Indicators: rimary Indicators (minimum of one require Surface Water (A1)	d. check all that apply)Water-Stained Leaves (89) (axcept i	Se:	condary Indicators (2 or more required)
Depth (inches): remarks /DROLOGY /etiand Hydrology Indicators: rimary Indicators (minimum of one require Surface Water (A1) High Water Table (A2)	d: check all that apply) Water-Stained Leaves (89) (except i	Se:	condary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 4A, and 4B)
Depth (inches): remarks /DROLOGY /etiand Hydrology Indicators: rimary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3)	d; check all that apply} Water-Stained Leaves (89) (except i 1, 2, 4A, and 4B) Salt Crust (811)	Se:	condary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 4A, and 4B) Drainage Patterns (B10)
Depth (inches): emarks /DROLOGY /etiand Hydrology Indicators: //mary Indicators (minimum of one (equire Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1)	d. check all that apply) Water-Stained Leaves (89) (except i 1, 2, 4A, and 4B) Salt Crust (811) Aquatic Invertebrates (813)	Se:	condary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2)
Depth (inches): Itemarks POROLOGY Vetland Hydrology Indicators: Itemary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2)	d: check all that apply) Water-Stained Leaves (89) (except i 1, 2, 4A, and 4B) Salt Crust (811) Aquatic Invertebrates (813) Hydrogen Sulfide Odor (C1)	Seg	condary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C
Popth (inches): YDROLOGY Vetland Hydrology Indicators: Yimary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3)	d: check all that apply) Water-Stained Leaves (89) (axcept if 1, 2, 4A, and 4B) Salt Crust (811) Aquatic Invertebrates (813) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living if	Sec MLRA —	condary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C
Depth (inches): Itemarks FOROLOGY Vettand Hydrology Indicators: Itimary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4)	d. check all that apply) Water-Stained Leaves (89) (except if 1, 2, 4A, and 4B) Salt Crust (811) Aquatic Invertebrates (813) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living if Presence of Reduced Iron (C4)	Sec MLRA	condary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C Geomorphic Position (D2) Shallow Aquitard (D3)
Depth (inches): Itemarks PDROLOGY Vetland Hydrology Indicators: Itemary Indicators (minimum of one (equire) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5)	d. check all that apply) Water-Stained Leaves (89) (except if 1, 2, 4A, and 4B) Salt Crust (811) Aquatic Invertebrates (813) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living if Presence of Reduced Iron (C4) Recent Iron Reduction in Titled Soils	Sec MLRA — Roots (C3) — (C5) —	condary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutrat Test (D5)
Pepth (inches): iemarks PDROLOGY Petiand Hydrology Indicators: rimary Indicators (minimum of one (equire) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6)	Water-Stained Leaves (89) (except in 1, 2, 4A, and 4B) Salt Crust (811) Aquatic Invertebrates (813) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living in 1, 2, 4A, and 4B) Presence of Reduced Iron (C4) Recent Iron Reduction in Titled Soils Stunted or Stressed Plants (D1) (LRI	Sec MLRA — Roots (C3) — (C5) —	condary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
Pepth (inches): Itemarks POROLOGY Vetland Hydrology Indicators: rimary Indicators (minimum of one require) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mai or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B	Water-Stained Leaves (89) (except in 1, 2, 4A, and 4B) Salt Crust (811) Aquatic Invertebrates (813) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living in Presence of Reduced Iron (C4) Recent Iron Reduction in Titled Solls Stunted or Stressed Plants (D1) (LRI	Sec MLRA — Roots (C3) — (C5) —	condary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (California) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutrat Test (D5)
Pepth (inches): Itemarks YDROLOGY Vetland Hydrology Indicators: Itemary Indicators (minimum of one require) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mai or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B	Water-Stained Leaves (89) (except in 1, 2, 4A, and 4B) Salt Crust (811) Aquatic Invertebrates (813) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living in Presence of Reduced Iron (C4) Recent Iron Reduction in Titled Solls Stunted or Stressed Plants (D1) (LRI	Sec MLRA — Roots (C3) — (C5) —	condary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
POROLOGY Vetland Hydrology Indicators: Vimary Indicators (minimum of one require) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B Sparsely Vegetated Concave Surface (Indicate Water Present?	Water-Stained Leaves (89) (except in 1, 2, 4A, and 4B) Salt Crust (811) Aquatic Invertebrates (813) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living in Presence of Reduced Iron (C4) Recent Iron Reduction in Titled Solls Stunted or Stressed Plants (D1) (LRIF) Other (Explain in Remarks) No Death (inches)	Sec MLRA — Roots (C3) — (C5) —	condary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
Process YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B Sparsely Vegetated Concave Surface (Ield Observations: urface Water Present? Yes	Water-Stained Leaves (89) (except in 1, 2, 4A, and 4B) Salt Crust (811) Aquatic Invertebrates (813) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living in Presence of Reduced Iron (C4) Recent Iron Reduction in Titled Solls Stunted or Stressed Plants (D1) (LRIF) Other (Explain in Remarks) No Death (inches)	Sec MLRA — Roots (C3) — (C5) —	condary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
Pepth (inches): Vernarks YDROLOGY Vertand Hydrology Indicators: Vernary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B Sparsely Vegetated Concave Surface (Ield Observations: Urface Water Present? Ves Vater Table Present? Yes Ves	d: check all that apply) Water-Stained Leaves (89) (except if 1, 2, 4A, and 4B) Salt Crust (811) Aquatic Invertebrates (813) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living if Presence of Reduced Iron (C4) Recent Iron Reduction in Titled Soils Stunted or Stressed Plants (D1) (LRI Other (Explain in Remarks) No Depth (inches):	Sec MLRA	condary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Popth (inches): Vertand Hydrology Indicators: Vertand Hydrol	d: check all that apply) Water-Stained Leaves (89) (except if 1, 2, 4A, and 4B) Salt Crust (811) Aquatic Invertebrates (813) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living if Presence of Reduced Iron (C4) Recent Iron Reduction in Titled Soils Stunted or Stressed Plants (D1) (LRI Other (Explain in Remarks) No Depth (inches): No Depth (inches):	Seg MLRA — Roots (C3) — (C6) — R A) —	condary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
Pepth (inches): Itemarks YDROLOGY Vetland Hydrology Indicators: Itemary Indicators (minimum of one require) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B Sparsely Vegetated Concave Surface (ield Observations: urface Water Present? Yes vater Table Present? Yes aturation Present? Yes aturation Present? Yes aturation Present? Yes includes capillary (ringe)	d: check all that apply) Water-Stained Leaves (89) (except if 1, 2, 4A, and 4B) Salt Crust (811) Aquatic Invertebrates (813) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living if Presence of Reduced Iron (C4) Recent Iron Reduction in Titled Soils Stunted or Stressed Plants (D1) (LRI Other (Explain in Remarks) No Depth (inches):	Seg MLRA — Roots (C3) — (C6) — R A) —	condary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Process Pro	d: check all that apply) Water-Stained Leaves (89) (except if 1, 2, 4A, and 4B) Salt Crust (811) Aquatic Invertebrates (813) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living if Presence of Reduced Iron (C4) Recent Iron Reduction in Titled Soils Stunted or Stressed Plants (D1) (LRI Other (Explain in Remarks) No Depth (inches): No Depth (inches):	Seg MLRA — Roots (C3) — (C6) — R A) —	condary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Permarks YDROLOGY Netiand Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B Sparsely Vegetated Concave Surface (Field Observations: Surface Water Present? Yes Nater Table Present? Yes Saturation Present? Yes Includes capillary (ringe)	d: check all that apply) Water-Stained Leaves (89) (except if 1, 2, 4A, and 4B) Salt Crust (811) Aquatic Invertebrates (813) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living if Presence of Reduced Iron (C4) Recent Iron Reduction in Titled Soils Stunted or Stressed Plants (D1) (LRI Other (Explain in Remarks) No Depth (inches): No Depth (inches):	Seg MLRA — Roots (C3) — (C6) — R A) —	condary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)

WETLAND DETERMINATION DATA FORM - Western Mountains, Valleys, and Coast Region

0.00	
Project/Site City/County. CIQ	Sampling Date 3.22.10
Applicant/Owner	State Sampling Point.
Investigator(s) Section, Township, R	ange
	convex, none) Rat Slope (%)
1000	Long: Datum
	NWI classification.
	(If no, explain in Remarks)
	"Normal Groumstances" present? Yes No K
	needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS - Attach site map showing sampling point	locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes No X	
Hydric Soil Present?	\/
Welland Hydrology Present? Yes X No within a Wetli	and/ Yes No
Remarks	
VEGETATION - Use scientific names of plants.	
Absolute Dominant Indicator Tree Stratum (Plot size) % Cover Species? Status	1 - 1 - 1
	Number of Dominant Species That Are OBL, FACW, or FAC. (A)
1	
3	Total Number of Dominant
4	
= Total Cover	Percent of Dominant Species That Are OBL, FACW, or FAC (A/B)
Sapling/Shrub Stratum (Plot size	
1	Prevalence Index worksheet:
2	
3	FACW species x 2 =
4	FAC species x 3 =
= Total Cover	FACU species x 4 =
Herb Stratum (Piot size	UPL species x 5 =
D. glonorouta 40 1 Hu	Column Totals (A) (B)
2 D. arote as I ve	<u> </u>
3 L. DULCARE OB X UPL	Prevalence Index = B/A = Hydrophytic Vegetation Indicators:
1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	Aydrophytic vegetation indicators. Dominance Test is >50%
5 Fanta Cuus Ap 15 Tru	Prevalence Index is ≤3.0
Thomas of the	Morphological Adaptations' (Provide supporting
1 hice to	data in Remarks or on a separate sheet)
8 V. TIII SULUE YA	Welland Non-Vascular Plants
10	Problematic Hydrophytic Vegetation (Explain)
11	'Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic
Total Cover	
Woody Vine Stratum (Plot size	
1	Hydrophytic Vegetation //
2	Present? Yes No X
% Bare Ground in Herb Stratum	
Remarks	

Sampling Point 437

Depth Matick Redox Features Type Log Texture Remarks
Type. C-Concentration. D-Deptation, RM-Reduced Matrix, CS=Covered or Coated Sand Grains *Location PL=Pore Lining M=Matrix Pkydric Soil Indicators (Applicable to all LRRs, unless otherwise noted.) Indicators for Problematic Hydric Soils* Indicators for Problematic Hydric Soils* Pl=Pore Lining M=Matrix Indicators for Problematic Hydric Soils* Pl=Pore Lining H=Matrix Ind
"Type: C=Concentration, D=Deplation, RM=Reduced Matrix, CS=Covered or Coated Sand Grains." "Location: PL=Pore Lining, M=Matrix Phydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Histosol (A1) Sandy Redox (S5) 2 cm Muck (A10) Histic Epipedon (A2) Stripped Matrix (S5) Red Parent Material (TF2) Black Histic (A3) Loamy Mucky Mineral (F1) (except MLRA 1) Other (Explain in Remarks) Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Depleted Bellow Dark Surface (A11) Depleted Matrix (F3) Thick Dark Surface (A12) Redox Dark Surface (F6) Indicators of hydrophytic vegetation and wettand hydrology must be present unless disturbed or problematic. Sandy Mucky Mineral (S1) Depleted Dark Surface (F8) unless disturbed or problematic. Restrictive Layer (If present): Type Depth (inches) Hydric Soil Present? Yes No Wetland Hydrology Indicators: (2 or more required) Surface Water (A1) Water Table (A2) 1, 2, 4A, and 4B) Water Stained Leaves (B8) (except MLRA 4, and 4B) Surface Water (A1) Drainage Patterns (B10) Water Marks (B1) Aqualic Invertebrates (B13) Drainage Patterns (B10) Weller Marks (B1) Aqualic Invertebrates (B13) Drainage Patterns (B10) Sediment Deposits (B2) Hydrogen Sulfide Odor (C1) Saturation (Vs) Geomorphic Position (O2)
"Type: C=Concentration, D=Deplation, RM=Reduced Matrix, CS=Covered or Coated Sand Grains." "Location: PL=Pore Lining, M=Matrix Phydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Histosol (A1) Sandy Redox (S5) 2 cm Muck (A10) Histic Epipedon (A2) Stripped Matrix (S5) Red Parent Material (TF2) Black Histic (A3) Loamy Mucky Mineral (F1) (except MLRA 1) Other (Explain in Remarks) Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Depleted Bellow Dark Surface (A11) Depleted Matrix (F3) Thick Dark Surface (A12) Redox Dark Surface (F6) Indicators of hydrophytic vegetation and wettand hydrology must be present unless disturbed or problematic. Sandy Mucky Mineral (S1) Depleted Dark Surface (F8) unless disturbed or problematic. Restrictive Layer (If present): Type Depth (inches) Hydric Soil Present? Yes No Wetland Hydrology Indicators: (2 or more required) Surface Water (A1) Water Table (A2) 1, 2, 4A, and 4B) Water Stained Leaves (B8) (except MLRA 4, and 4B) Surface Water (A1) Drainage Patterns (B10) Water Marks (B1) Aqualic Invertebrates (B13) Drainage Patterns (B10) Weller Marks (B1) Aqualic Invertebrates (B13) Drainage Patterns (B10) Sediment Deposits (B2) Hydrogen Sulfide Odor (C1) Saturation (Vs) Geomorphic Position (O2)
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Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Histosof (A1) Histosof (A2) Black Histic (A3) Loamy Mucky Mineral (F1) (except MLRA 1) Sandy Redox (B5) Black Histic (A3) Loamy Mucky Mineral (F1) (except MLRA 1) Sandy Mucky Mineral (B1) Sandy Mucky Mineral (B1) Sandy Mucky Mineral (B1) Sandy Mucky Mineral (B1) Sandy Gleyed Matrix (B4) Depleted Dark Surface (B1) Redox Dark Surface (F5) Sandy Gleyed Matrix (B4) Redox Depressions (F8) Wetland hydrology must be present. unless disturbed or problematic Restrictive Layer (If present): Type Depth (inches) Primary Indicators (minimum of one required check all that apply) Surface Water (A1) High Water Table (A2) Saturation (A3) Saturation (A3) Water Stained Leaves (B8) (except MLRA Hydrogen Sulfide Odor (C1) Sandy Mucky Mineral (B1) Drainage Patterns (B10) Drainage Patterns (B10) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation (Visible on Aerial Imagery (C9) Drift Deposits (B3) Oxidized Rhizospheres elong Living Roots (C3) Geomorphic Position (D2)
Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Histosof (A1) Histosof (A2) Black Histic (A3) Loamy Mucky Mineral (F1) (except MLRA 1) Sandy Redox (B5) Black Histic (A3) Loamy Mucky Mineral (F1) (except MLRA 1) Sandy Mucky Mineral (F2) Depleted Below Dark Surface (A11) Sandy Mucky Mineral (B1) Sandy Mucky Mineral (B1) Sandy Mucky Mineral (B1) Sandy Gleyed Matrix (B4) Redox Depressions (F8) Redox Depressions (F8) Wetland Hydrology Indicators Primary Indicators (minimum of one required check all that apply) Surface Water (A1) Mater Stained Leaves (B9) (except MLRA 1) Water Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Saturation (A3) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Other (Explain in Remarks) 1 Indicators for Problematic Hydric Soils ? 2 cm Muck (A10) Red Parent Material (F1) Cembral Muck (A10) Red Parent Material (F1) Cembral Muck (A10) Red Parent Material (F1) Cembral Muck (A10) Problematic Hydric Soils ? Indicators for Problematic Hydric Soils ? Indicators of hydrophytic vegetation and wetland hydrology must be present. unless disturbed or problematic wetland hydrology must be present. unless disturbed or problematic Hydrology Soils (B9) (Present? Yes No Leaves (B9) (Mark 1, 2, 4A, 4A, 4A, 4B) Saturation (A3) Saturation (A3) Water Stained Leaves (B9) (MLRA 1, 2, 4A, 4A, 4B) An and 4B) Drainage Patterns (B10) Drainage Patterns (B10) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Drift Deposits (B3) Oxidized Rhizospheres elong Living Roots (C3) Geomorphic Position (C9)
Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Histosof (A1) Histosof (A2) Black Histic (A3) Loamy Mucky Mineral (F1) (except MLRA 1) Sandy Redox (B5) Black Histic (A3) Loamy Mucky Mineral (F1) (except MLRA 1) Sandy Mucky Mineral (F2) Depleted Below Dark Surface (A11) Sandy Mucky Mineral (B1) Sandy Mucky Mineral (B1) Sandy Mucky Mineral (B1) Sandy Gleyed Matrix (B4) Redox Depressions (F8) Redox Depressions (F8) Wetland Hydrology Indicators Primary Indicators (minimum of one required check all that apply) Surface Water (A1) Mater Stained Leaves (B9) (except MLRA 1) Water Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Saturation (A3) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Other (Explain in Remarks) 1 Indicators for Problematic Hydric Soils ? 2 cm Muck (A10) Red Parent Material (F1) Cembral Muck (A10) Red Parent Material (F1) Cembral Muck (A10) Red Parent Material (F1) Cembral Muck (A10) Problematic Hydric Soils ? Indicators for Problematic Hydric Soils ? Indicators of hydrophytic vegetation and wetland hydrology must be present. unless disturbed or problematic wetland hydrology must be present. unless disturbed or problematic Hydrology Soils (B9) (Present? Yes No Leaves (B9) (Mark 1, 2, 4A, 4A, 4A, 4B) Saturation (A3) Saturation (A3) Water Stained Leaves (B9) (MLRA 1, 2, 4A, 4A, 4B) An and 4B) Drainage Patterns (B10) Drainage Patterns (B10) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Drift Deposits (B3) Oxidized Rhizospheres elong Living Roots (C3) Geomorphic Position (C9)
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Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Histosof (A1) Histosof (A2) Black Histic (A3) Loamy Mucky Mineral (F1) (except MLRA 1) Sandy Redox (B5) Black Histic (A3) Loamy Mucky Mineral (F1) (except MLRA 1) Sandy Mucky Mineral (B1) Sandy Mucky Mineral (B1) Sandy Mucky Mineral (B1) Sandy Mucky Mineral (B1) Sandy Gleyed Matrix (B4) Depleted Dark Surface (B1) Redox Dark Surface (F5) Sandy Gleyed Matrix (B4) Redox Depressions (F8) Wetland hydrology must be present. unless disturbed or problematic Restrictive Layer (If present): Type Depth (inches) Primary Indicators (minimum of one required check all that apply) Surface Water (A1) High Water Table (A2) Saturation (A3) Saturation (A3) Water Stained Leaves (B8) (except MLRA Hydrogen Sulfide Odor (C1) Sandy Mucky Mineral (B1) Drainage Patterns (B10) Drainage Patterns (B10) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation (Visible on Aerial Imagery (C9) Drift Deposits (B3) Oxidized Rhizospheres elong Living Roots (C3) Geomorphic Position (D2)
Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Histosof (A1) Histosof (A2) Black Histic (A3) Loamy Mucky Mineral (F1) (except MLRA 1) Sandy Redox (A11) Depleted Below Dark Surface (A11) Sandy Medox Markix (F2) Depleted Below Dark Surface (A11) Sandy Mucky Mineral (B1) Sandy Mucky Mineral (B1) Sandy Mucky Mineral (B1) Sandy Gleyed Matrix (B3) Redox Depressions (F8) Depleted Dark Surface (F7) Sandy Gleyed Matrix (B4) Redox Depressions (F8) Wetland hydrology must be present. Unless disturbed or problematic Wetland hydrology Indicators: Primary Indicators (minimum of one required check all that apply) Surface Water (A1) Mater-Stained Leaves (B8) (except MLRA 1) Water-Stained Leaves (B8) (except MLRA 2) Wetland Hydrology Indicators: Primary Indicators (minimum of one required check all that apply) Surface Water (A1) High Water Table (A2) Saturation (A3) Saturation (A3) Water-Stained Leaves (B8) (except MLRA 4) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Saturation (A3) Water Marks (B1) Saturation (A3) Water Marks (B1) Saturation (B3) Water Marks (B1) Drin Deposits (B3) Oxidized Rhizospheres along Living Roots (C3) Geomorphic Position (D2)
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Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Depleted Below Dark Surface (A11) Depleted Matrix (F3) Thick Dark Surface (A12) Redox Dark Surface (F6) Indicators of hydrophytic vegetation and wetland hydrology must be present. Sandy Mucky Mineral (S1) Depleted Dark Surface (F7) wetland hydrology must be present. Sandy Gleyed Matrix (S4) Redox Depressions (F8) unless disturbed or problematic. Restrictive Layer (If present): Type Depth (inches) Hydric Soil Present? Yes No Remarks Water Soil Present? Yes No
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Sandy Gleyed Matrix (S4) Redox Depressions (F8) unless disturbed or problematic Restrictive Layer (If present): Type
Restrictive Layer (If present): Type
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Property Present?
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Algal Mat or Crust (B4) Presence of Reduced Iron (C4) Shallow Aquitard (D3)
Iron Deposits (B5) Recent Iron Reduction in Titled Soils (C6) FAC-Neutral Test (D5)
Surface Soil Cracks (B6) Stunted or Stressed Plants (D1) (LRR A) Raised Ant Mounda (D6) (LRR A)
Inundation Visible on Aerial Imagery (87) Other (Explain in Remarks) Frost-Heave Hummocks (D7)
Sparsely Vegetaled Concave Surface (B8)
Field Observations:
Surface Water Present? Yes No Depth (inches)
Water Table Present? Yes X No Depth (inches):
Saturation Present? Yes No Depth (inches): Wetland Hydrology Present? Yes X No
(includes capillary fringe)
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available.
Remarks
Remarks
Remarks

WETLAND DETERMINATION DATA FORM - Western Mountains, Valleys, and Coast Region Ham City/County. Project/Site ___ State ______ Sampling Point 🗸 Applicant/Owner Section, Township, Range Investigator(s) Local relief (concave, convex, none). _____ Slope (%) Landform (hillstope, terrace, etc. Subregion (LRR) NWI classification. Soil Map Unit Name Are climatic / hydrologic conditions on the site typical for this time of year? Yes ______ No. (If no, explain in Remarks.) Are Vegetation _____ Soil _____ or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes _ Are Vegetation _____ Soil _____ or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.) SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc. Hydrophytic Vegetation Present? Is the Sampled Area No Hydric Soil Present? within a Wetland? Weiland Hydrology Present? Remarks: VEGETATION - Use scientific names of plants. Dominance Test worksheet: Absolute Dominant Indicator % Cover Species? Status Tree Stratum (Plot size Number of Dominant Species That Are OBL, FACW, or FAC. Total Number of Dominant Species Across All Strata Percent of Dominant Species = Total Cover That Are OBL, FACW, or FAC Sapling/Shrub Stratum (Plot size Prevalence Index worksheet: Total % Cover of Multiply by OBL species _____ FACW species FAC species FACU species _____ Total Cover x 5 = _____ UPL species Herb Stratum Column Totals _____ (A) _____ (B) Prevalence Index = B/A = Hydrophytic Vegetation Indicators: Dominance Test is >50% Prevalence Index is ≤3.0° ____ Morphological Adaptations1 (Provide supporting data in Remarks or on a separate sheet) Welland Non-Vascular Plants Problematic Hydrophytic Vegetation (Explain) 'Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. __= Total Cover Woody Vine Stratum (Plot size _ Hydrophytic Vegetation Present? _ = Total Cover

Remarks

% Bare Ground in Herb Stratum _

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Sampling Point: 485

YDROLOGY Vetland Hydrology Indicators: **trimary Indicators (minimum of one required: check all that apply). Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Saturation (A3) Water Marks (B1) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Aqualic Invertebrates (B13) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Algai Mat or Crust (B4) Presence of Reduced Iron (C4) Iron Deposits (B5) Surface Soil Cracks (B6) Sunted or Stressed Plants (D1) (LRR A) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8) Idled Observations: urface Water Present? Yes No Depth (inches): Wettand Hydrology Present? Yes No Depth (inches): Wettand Hydrology Present? Yes No Water-Stained Leaves (B9) (except MLRA Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Water-Stained Leaves (B9) (MLRA 1,	Profile Description: (Describe to the of Depth Matrix	Redox Features	
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Type. C-Concentration. D-Depletion, RM-Reduced Matrix, CS-Covered of Coated Sand Grains. 1	stational	INDARL TO T	
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yeric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Histosoi (A1)			
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WETLAND DETERMINATION DATA FORM - Western Mountains, Valleys, and Coast Region Project/Site Applicant/Owner ______ V DV JF Sampling Point 4 Investigator(s) Section, Township, Range Landform (hillstope terrace, etc.) _____ Local relief (concave, convex, none) ___ Subregion (LRR) Datum ___ NWI classification. VX Soil Map Unit Name Are climatic / hydrologic conditions on the site typical for this time of year? Yes _____ No _____ (If no, explain in Remarks) Are Vegetation _____ Soil ____ or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes Are Vegetation _____ Soil _____ or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.) SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc. Hydrophytic Vegetation Present? is the Sampled Area Hydric Soil Present? within a Wetland? Wetland Hydrology Present? Remarks VEGETATION – Use scientific names of plants. Absolute Dominant Indicator Dominance Test worksheet: % Cover Species? Status Tree Stratum (Plot size _____) Number of Dominant Species That Are OBL, FACW, or FAC. Total Number of Dominant (B) Species Across All Strala Percent of Dominant Species ____ = Total Cover That Are OBL, FACW, or FAC Sapling/Shrub Stratum (Plot size _____) Prevalence Index worksheet: 1 Total % Cover of Multiply by OBL species FACW species _ FAC species _ x4=__ FACU species _____ = Total Cover Herb Stratum (Plot size UPL species _____ x 5 = ____ Column Totals. _____ (A) ____ (B) Prevalence Index = B/A = __ Hydrophytic Vegetation Indicators: Dominance Test is >50% Prevalence Index is \$3.0 Morphological Adaptations' (Provide supporting data in Remarks or on a separate sheet) Wetland Non-Vascular Plants Problematic Hydrophytic Vegetation (Explain) Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. = Total Cover Woody Vine Stratum (Plot size Hydrophytic Vegetation Present? ___ = Total Cover % Bare Ground in Herb Stratum _ Remarks

Profile Description: (Describe to the	depth needed to document the indicator or confirm	Sampling Point:
Depth Matrix	Redox Features	tile abadica or illuicators.)
(inches) Color (moist) %		Texture Remarks
D-10 104833	100%	
210 layasa	1944/10 201.	
		
	RM=Reduced Matrix, CS=Covered or Coated Sand G	——————————————————————————————————————
lydric Soil Indicators: (Applicable to	•	Indicators for Problematic Hydric Soils':
Hislosof (A1)	Sandy Redox (S5)	2 cm Muck (A10)
Histic Epipedon (A2) Black Histic (A3)	Stripped Matrix (S6) Loamy Mucky Mineral (F1) (except MLRA 1)	Red Parent Material (TF2)
Black Histic (A3) Hydrogen Sulfide (A4)	Loamy Mucky Mineral (F1) (except MLRA 1) Loamy Gleyed Matrix (F2)	Other (Explain in Remarks)
Depleted Below Dark Surface (A11		
Thick Dark Surface (A12)	Redox Dark Surface (F6)	Indicators of hydrophytic vegetation and
Sandy Mucky Mineral (S1)	Depleted Dark Surface (F7)	wetland hydrology must be present
Sandy Gleyed Matrix (S4)	Redox Depressions (F8)	unless disturbed or problematic.
testrictive Layer (if present):		
Type:	- _	
Depth (inches):		Hydric Soll Present? Yes No 1
		Hydric Soll Present? Yes No 1
Depth (inches):		Hydric Soll Present? Yes No 1
Depth (inches):		Hydric Soll Present? Yes No
Depth (inches):Remarks YDROLOGY		Hydric Soll Present? Yes No 1
Depth (inches): temarks YDROLOGY Vetland Hydrology Indicators:		Secondary indicators (2 or more required)
Pepth (inches): Pemarks POROLOGY Vetland Hydrology Indicators: rimary Indicators (minimum of one requirement) Surface Water (A1)	uired, check all that apply) Water-Stained Leaves (89) (except ML)	Secondary indicators (2 or more required)
Depth (inches): PROLOGY Vetland Hydrology Indicators: rimary Indicators (minimum of one requirement)		Secondary indicators (2 or more required)
Depth (inches): POROLOGY Vetland Hydrology Indicators: rimary Indicators (minimum of one requirement) Surface Water (A1)	Water-Stained Leaves (B9) (except MLI	Secondary indicators (2 or more required) RA Water-Stained Leaves (B9) (MLRA 1,
Depth (inches): Pemarks Portland Hydrology Indicators: rimary Indicators (minimum of one requested on the second of the secon	Water-Stained Leaves (89) (except MLI 1, 2, 4A, and 4B)	Secondary indicators (2 or more required) RA Water-Stained Leaves (B9) (MLRA 1, 4A, and 4B)
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Depth (inches): Pemarks Portional Mydrology Indicators: rimary Indicators (minimum of one requestry for the second of the sec	Water-Steined Leaves (89) (except MLi 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13)	Secondary indicators (2 or more required) RA
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Depth (inches): emarks /DROLOGY /etland Hydrology Indicators: rimary Indicators (minimum of one requirement Marks (B1) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5)	Water-Stained Leaves (89) (except MLI 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roc Presence of Reduced iron (C4) Recent Iron Reduction in Tilled Soils (C6)	Secondary indicators (2 or more required) RA
Pepth (inches): Itemarks POROLOGY Vetland Hydrology Indicators: Irimary Indicators (minimum of one requirement Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Aigal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6)	Water-Stained Leaves (B9) (except MLI 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roce Presence of Reduced iron (C4) Recent Iron Reduction in Tilled Soits (C6) Stunted or Stressed Plants (D1) (LRR A	Secondary indicators (2 or more required) RA Water-Stained Leaves (B9) (MLRA 1, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (Caster (C3)) Geomorphic Position (D2) Shallow Aquitart (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
Popth (inches): Itemarks Popology Vetland Hydrology Indicators: Irimary Indicators (minimum of one requirement Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagers	Water-Stained Leaves (B9) (except MLI 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roc Presence of Reduced iron (C4) Recent Iron Reduction in Tilled Soits (C6 Stunted or Stressed Plants (D1) (LRR A) (B7) Other (Explain in Remarks)	Secondary indicators (2 or more required) RA
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Pepth (inches): Permarks	Water-Stained Leaves (89) (except MLI 1, 2, 4A, and 4B) Salt Crust (811) Aquatic Invertebrates (813) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roce Presence of Reduced iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A (B7) Ce (B8)	Secondary indicators (2 or more required) RA Water-Stained Leaves (B9) (MLRA 1, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (Caster (C3)) Geomorphic Position (D2) Shallow Aquitart (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
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Pepth (inches): Permarks YDROLOGY Netland Hydrology Indicators: Primary Indicators (minimum of one required in the permarks (Marker Marker (Marker Marker (Marker	Water-Steined Leaves (89) (except MLI 1, 2, 4A, and 4B) Salt Crust (811) Aquatic Invertebrates (813) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roc Presence of Reduced iron (C4) Recent Iron Reduction in Tilled Solts (C6) Stunted or Stressed Plants (D1) (LRR A) ((87) Other (Explain in Remarks) ce (88) No Depth (inches):	Secondary indicators (2 or more required) RA
Pepth (inches): Permarks Permarks Permarks Permary Indicators (minimum of one required of	Water-Steined Leaves (89) (except MLI 1, 2, 4A, and 4B) Salt Crust (811) Aquatic Invertebrates (813) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roc Presence of Reduced iron (C4) Recent Iron Reduction in Tilled Solts (C6) Stunted or Stressed Plants (D1) (LRR A) ((87) Other (Explain in Remarks) ce (88) No Depth (inches):	Secondary indicators (2 or more required) RA Water-Stained Leaves (B9) (MLRA 1, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C2) Shallow Aquitart (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)

WETLAND DETE	RMINATION D	ATA FORM	1 – Western M	lountains, Valleys, a	nd Coast Region
Project/Site POR		r	City/County.	Jallam	Sampling Date 3-22-1
Applicant/Owner Applicant/Owner	800			Slate	1/1/0
investigator(s)	(C).				· · · · · · · · · · · · · · · · · · ·
Landform (hillslope terrace, etc.)	Olerrai	0 0	l nont relief (conce	CI	at
Subregion (LRR)	- 0000000				
/ <u></u> l	1001	ヹ゚゚゚゚゚		Long	Datum
Soil Map Unit Name) <u>u</u> (1			NWI class	ification.
Are climatic / hydrologic conditions on					
Are Vegetation Soil or			_	Are "Normal Circumstances	s" present? Yes No <u>K</u> _
Are Vegetation Soil or	r Hydrology	naturally prob	olematic? (If needed, explain any ansi	wers in Remarks.)
SUMMARY OF FINDINGS - A	Attach site maj	showing	sampling poir	nt locations, transec	ts, important features, etc
Hydrophytic Vegetation Present?	Yes		is the Samp		1.
Hydric Soil Present? Welland Hydrology Present?	Yes Yes		within a We	tland? Yes	No <u>X</u>
Remarks		"/			· · · · · · · · · · · · · · · · · · ·
, remarks					
VEGETATION - Use scientific	c names of pla	nts.			
		Absolute	Dominant Indicat		rksheet:
Tree Stratum (Plot size			Species? Status	NUMBER OF COMMISSION	
2				TOTAL NUTTIDE OF DOL	
3				Species Across All S	itrala (8)
4			= Total Cover	Percent of Dominant That Are OBL: FACV	
Sapling/Shrub Stratum (Plot size				Prevalence Index w	orksheet:
2					f Multiply by
3					x1=
4					x 2 =
5				FAC species	x 3 =
			= Total Cover	FACU species	x 4 =
Herb Stratum (Plot size)	,25	v LiD	UPL species	x 5 =
D. Carola		-30	^	Column Totals	(A) (B)
2	CPOTO -	->	V 1	Prevalence Ind	lex = B/A =
3 17 15 11 10	2000	-35	V 171	Hydrophytic Vegeti	
5 anunciu	15 5700		\(\hat{\chi}\)	Dominance Tes	
6 Dicia Kust	A COPIO	15	Tu tu	Prevalence Inde	ex is ≤3.0°
7					idaptations' (Provide supporting arks or on a separate sheet)
8				Welland Non-Va	scular Plants
9					prophytic Vegetation (Explain)
10					soil and wetland hydrology must
11			= Total Cover	be present, unless d	isturbed or problematic
Woody Vine Stratum (Plot size)		- Lotal Coves		
				Hydrophytic	ſ
2	-			Vegetation Present?	Yes No
-	٠. ا		= Total Cover	Fieseill:	100
1%, Bare Ground in Herb Stratum	٠١٠	-			
Remarks					

Sampling Point:

Profile Description: (Describe to the de	-bill income to constituent the indicator of Couling	I UID BURGING OF HIDICALOFS.)
Depth Matrix	Redox Features	·
(inches) Color (moist) %	Color (moist) % Type Loc²	Texture Remarks
	\ \	
The training	/ 	
15-15-16-16-16-16-16-16-16-16-16-16-16-16-16-	170 171 11.	
1/12/19/19/2	10047411015011	
		
ļ 		
	·	
1=		
	M=Reduced Matrix, CS=Covered or Coated Sand Gr	
Hydric Soil Indicators: (Applicable to a	II LKRS, unless otherwise noted.)	Indicators for Problematic Hydric Soils ³ :
— Histosol (A1)	Sandy Redox (S5)	2 cm Muck (A10)
Histic Epipedon (A2)	Stripped Matrix (S6)	Red Parent Material (TF2)
Black Histic (A3)	Loamy Mucky Mineral (F1) (except MLRA 1)	Other (Explain in Remarks)
Hydrogen Sulfide (A4)	Loamy Gleyed Matrix (F2)	
Depleted Below Dark Surface (A11)	Depleted Matrix (F3)	•
Thick Dark Surface (A12)	Redox Dark Surface (F6)	Indicators of hydrophytic vegetation and
Sandy Mucky Mineral (S1)	Depleted Dark Surface (F7)	wetland hydrology must be present.
Sandy Gleyed Matrix (S4)	Redox Depressions (F8)	unless disturbed or problematic.
Restrictive Layer (if present):		
Туре		1.
Depth (inches):		Hydric Soli Present? Yes No X
Remarks	et Medien Ble greiten von 1911 zum 11. der geste begrotten der zweiten der gesprägen der der der der der der d	
HYDROLOGY Wetland Hydrology Indicators:		
ļ <u>-</u>	ed; check all that apply)	Secondary Indicators (2 or more required)
Wetland Hydrology Indicators: Primary Indicators (minimum of one require		Secondary Indicators (2 or more required)
Wetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1)	Water-Stained Leaves (89) (except MLF	RA Water-Stained Leaves (B9) (MLRA 1, 2,
Wetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2)	Water-Stained Leaves (89) (except MLR 1, 2, 4A, and 4B)	RA Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B)
Wetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3)	Water-Stained Leaves (89) (except MLF 1, 2, 4A, and 4B) Salt Crust (B11)	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10)
Wetland Hydrology Indicators: Primary Indicators (minimum of one (equire) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1)	Water-Stained Leaves (89) (except MLF 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13)	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2)
Wetland Hydrology Indicators: Primary Indicators (minimum of one (equire) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2)	 Water-Stained Leaves (89) (except MLF 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) 	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9)
Wetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3)	Water-Stained Leaves (89) (except MLR 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Is (C3) Geomorphic Position (D2)
Wetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4)	Water-Stained Leaves (89) (except MLF 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Room Presence of Reduced Iron (C4)	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Is (C3) Geomorphic Position (D2) Shallow Aquitard (D3)
Wetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5)	Water-Stained Leaves (89) (except MLR 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6)	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Wetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6)	Water-Stained Leaves (89) (except MLF 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A)	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Is (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B	Water-Stained Leaves (89) (except MLF 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Titled Soils (C6 Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks)	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Wetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B	Water-Stained Leaves (89) (except MLF 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Titled Soils (C6 Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks)	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Is (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
Wetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B	Water-Stained Leaves (89) (except MLF 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Titled Soils (C6 Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks)	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Is (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
Wetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B Sparsely Vegetated Concave Surface Field Observations: Surface Water Present?	Water-Stained Leaves (89) (except MLR 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) (B8)	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Is (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
Wetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B1) Sparsely Vegetated Concave Surface Field Observations:	Water-Stained Leaves (89) (except MLR 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) (B8)	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Is (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
Wetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (Back of Concave Surface Field Observations: Surface Water Present?	Water-Stained Leaves (89) (except MLR 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) No Depth (inches): Depth (inches):	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Is (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Wetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B1) Sparsely Vegetated Concave Surface Field Observations: Surface Water Present? Water Table Present? Yes Saturation Present? Yes (includes capillary fringe)	Water-Stained Leaves (89) (except MLR 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) (B8) No Depth (inches): Wetla	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Is (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Wetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B1) Sparsely Vegetated Concave Surface Field Observations: Surface Water Present? Water Table Present? Yes Saturation Present? Yes (includes capillary fringe)	Water-Stained Leaves (89) (except MLR 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) No Depth (inches): Depth (inches):	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Is (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Wetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B1) Sparsely Vegetated Concave Surface Field Observations: Surface Water Present? Water Table Present? Yes Saturation Present? Yes (includes capillary fringe)	Water-Stained Leaves (89) (except MLR 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) (B8) No Depth (inches): Wetla	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Is (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Wetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B1) Sparsely Vegetated Concave Surface Field Observations: Surface Water Present? Water Table Present? Yes Saturation Present? Yes (includes capillary fringe)	Water-Stained Leaves (89) (except MLR 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) (B8) No Depth (inches): Wetla	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Is (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (Based Surface Field Observations: Surface Water Present? Water Table Present? Yes Water Table Present? Yes (includes capillary fringe) Describe Recorded Data (stream gauge, minimum surface)	Water-Stained Leaves (89) (except MLR 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) (B8) No Depth (inches): Wetla	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Is (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (Based Surface Field Observations: Surface Water Present? Water Table Present? Yes Water Table Present? Yes (includes capillary fringe) Describe Recorded Data (stream gauge, minimum surface)	Water-Stained Leaves (89) (except MLR 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) (B8) No Depth (inches): Wetla	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Is (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (Based Surface Field Observations: Surface Water Present? Water Table Present? Yes Water Table Present? Yes (includes capillary fringe) Describe Recorded Data (stream gauge, minimum surface)	Water-Stained Leaves (89) (except MLR 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) (B8) No Depth (inches): Wetla	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Is (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)

WETLAND DETE	RMINATION DATA F	ORM – Weste	rn Mountains, Valleys	s, and Coast Region
Project/Site A22		City/County:	Clallam	Sampling Date: 3:33.1
Applicant/Owner MOUL	5990	_		Sampling Point
Investigator(s)	5		nship, Range	
Landform (hillslope, terrace, etc.)				Slope (%)
1000	\		•	Datum
Subregion (LRR)	1 (12)		- -	Jassification.
Soil Map Unit Name Are climatic / hydrologic conditions on t	and the limb is	o(vane) van K		
Are Vegetation Soil or				nces" present? Yes No
			(If needed, explain any	
Are Vegetation Soil or			, , ,	
SUMMARY OF FINDINGS - A	ttach site map show	ing sampling	point locations, trans	sects, important features, etc.
Hydrophytic Vegetation Present?	Yes No	ls the	Sampled Area	
Hydric Soil Present?	Yes No	1	•	s No X
Wetland Hydrology Present?	Yes No			
Remarks		•		
				response in the second
VEGETATION - Use scientific	Abso	lute Dominant I	ndicator Dominance Tes	t workshoot
Tree Stratum (Plot size		over Species?		,
1			That Are OBL, F	
2			Total Number of	Dominant
3			4	
4			Percent of Domi	nant Species
(7)		= Total Cov	er That Are OBL. F	ACW, or FAC (A/B)
Sapling/Shrub Stratum (Plot size			Prevalence Ind	ex worksheet:
2			T-1-19/ Co.	ver of Multiply by
3			OBL appoint	x 1 =
4			C 4 (0) 44	x 2 =
5			FAC species	x 3 =
		= Total Cov	-	x 4 =
Herb Stratum (Plot size	000	n v +	100 UPL species	x 5 =
1227960 (90	SCI CATO		Column Totals	(A)(B)
2700000	TOTALE 3	$\frac{1}{x}$	Prevalenc	e Index = B/A =
TO COPPOSE			Hydrophytic Ve	egetation indicators:
5 L. DULCAR	2	6X		Test is >50%
6 TIICIA HIPSI	ITA Y	<u> </u>		Index is ≤3.0°
7			Morphologi	cal Adaptations' (Provide supporting Remarks or on a separate sheet)
8				on-Vascular Plants
9				c Hydrophytic Vegetation (Explain)
10			Indicators of hy	dric soil and wetland hydrology must
11	15	Total Covi		ess disturbed or problematic
Woody Vine Stratum (Plot size)	- ,0(a) 0001		
			Hydrophytic	t
2			Vegetation Present?	Yes No X
	<u></u>	= Total Cov		
% Bare Ground in Herb Stratum	<u></u>			
Remarks				

SOIL		Sampling Point:
Profile Description: (Describe to the dep	th needed to document the Indicator or confirm the	absence of indicators.)
Depth Matrix (inches) Color (moist) %	Redox Features	Texture Remarks
10-10 10UB-11-1		TGINALA
710 1018512	Mode and	
- March	1519410201.	
77		
Hydric Soil Indicators: (Applicable to all	Reduced Matrix, CS=Covered or Coated Sand Grains	Location: PL=Pore Lining, M=Matrix. Indicators for Problematic Hydric Soils*:
Histosof (A1)	Sandy Redox (S5)	-
Histic Epipedon (A2)	Stripped Matrix (S6)	2 cm Muck (A10) Red Parent Material (TF2)
Black Histic (A3)	Loamy Mucky Mineral (F1) (except MLRA 1)	Other (Explain in Remarks)
Hydrogen Sulfide (A4)	Loamy Glayed Matrix (F2)	Carlo (Exploit in Nellians)
Depleted Below Dark Surface (A11)	Depleted Matrix (F3)	•
Thick Dark Surface (A12)	Redox Dark Surface (F6)	Indicators of hydrophytic vegetation and
Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4)	Depleted Dark Surface (F7)	wetland hydrology must be present.
Restrictive Layer (if present):	Redox Depressions (F8)	unless disturbed or problematic.
Type		
Depth (inches):		X
Remarks	——————————————————————————————————————	ydric Soll Present? Yes No X
HYDROLOGY Wetland Hydrology Indicators:		
Primary Indicators (minimum of one required	check all that apply)	Secondary Indicators (2 or more required)
Surface Water (A1)	Water-Stained Leaves (B9) (except MLRA	AAAAUSTI LUGISSISI LE DI IIIDIE EQUIED)
High Water Table (A2)		Water, Stained Leaves (PQ) (MLDA 1.3
Saturation (A3)	1, 2, 4A, and 4B)	Water-Stained Leaves (B9) (MLRA 1, 2,
Semision (W3)	•	4A, and 4B)
Water Marks (B1)	1, 2, 4A, and 4B) Salt Crust (B11) Aquatic invertebrates (B13)	4A, and 4B) Drainage Patterns (B10)
	Salt Crust (B11)	4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2)
Water Marks (B1)	Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1)	4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9)
Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4)	Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roots (C	4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9)
Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3)	Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roots (C Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6)	4A, and 4B) — Drainage Patterns (B10) — Dry-Season Water Table (C2) — Saturation Visible on Aerial Imagery (C9) 33) — Geomorphic Position (D2)
Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6)	Salt Crust (B11) Aquatic invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roots (C Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A)	4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3)
Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7	Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roots (C Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A)) Other (Explain in Remarks)	4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7 Sparsely Vegetated Concave Surface (E	Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roots (C Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A)) Other (Explain in Remarks)	4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7 Sparsely Vegetated Concave Surface (B7) Field Observations:	Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roots (C Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A)) Other (Explain in Remarks) 8)	4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7 Sparsely Vegetated Concave Surface (EField Observations:	Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roots (C Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A)) Other (Explain in Remarks) 8)	4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7 Sparsely Vegetated Concave Surface (E Field Observations: Surface Water Present? Yes	Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roots (Cilin Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A)) Other (Explain in Remarks) O Depth (inches):	4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7 Sparsely Vegetated Concave Surface (EField Observations: Surface Water Present? Water Table Present? Yes No	Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roots (Cilin Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A)) Other (Explain in Remarks) O Depth (inches):	4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7 Sparsely Vegetated Concave Surface (B6) Field Observations: Surface Water Present? Water Table Present? Yes Northern Concludes capillary fringe)	Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roots (Cilin Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A)) Other (Explain in Remarks) O Depth (inches):	4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Reised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7 Sparsely Vegetated Concave Surface (B7 Field Observations: Surface Water Present? Water Table Present? Yes	Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roots (Cincide Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) O	4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Reised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7 Sparsely Vegetated Concave Surface (B6) Field Observations: Surface Water Present? Water Table Present? Yes Northern Concludes capillary fringe)	Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roots (Cincide Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) O	4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Reised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7 Sparsely Vegetated Concave Surface (B7 Field Observations: Surface Water Present? Water Table Present? Yes	Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roots (Cincide Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) O	4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Reised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7 Sparsely Vegetated Concave Surface (B7 Field Observations: Surface Water Present? Water Table Present? Yes	Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roots (Cincide Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) O	4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Reised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)

WETLAND DETERMINATION DATA FORM - Western Mountains, Valleys, and Coast Region

Project/Site P32		City/County C	lallam	Sampling Date 3.22. I
Applicant/Owner MOUL	500 0		State	12.10
Investigator(s)	1115		Range	•
Landform (hillstope, terrace, etc.)	<u> </u>	Local relief (concav	ve. convex, none)	Slope (%)5.(
Subregion (LRR)	Lat		Long	Datum
Soil Map Unit Name	<u> </u>		NWI classif	ication. NL
Are climatic / hydrologic conditions on t				•
Are Vegetation Soil or	Hydrology significantl	y disturbed? A	ire "Normal Circumstances"	present? Yes No
Are Vegetation Soil or			f needed, explain any answ	ers in Remarks.)
SUMMARY OF FINDINGS - A			nt locations, transect	s, important features, etc.
Hydrophytic Vegetation Present?	Yes No			
Hydric Soil Present?	YesNo	Is the Samp within a We		No X
Wetland Hydrology Present?	Yes No	. Within a vve	tiand/ res	No .ZZ
Remarks				
VEGETATION – Use scientific	names of plants			
7		⊇ Dominant Indicati	or Dominance Test wor	ksheet:
Tree Stratum (Plot size) % Cove	r Species? Status	Number of Dominant	
2				inant 🖰
3			TOTAL ITEM DE CITE DE LA CONTRACTOR DE CONTR	_
4		= Total Cover	Percent of Dominant S That Are OBL FACW	
Sapling/Shrub Stratum (Plot size			-	
The same and supplied to a supplied the supplied to the suppli		 	Prevalence Index wo	Mulliply by
"			_ 1	x 1 =
3			- ;	x 2 =
4	gan mana rabinany apina kaominina ny kaominina dia mpikambana ao amin'ny faritr'i Nord-Nord-Nadara (no amin'ny			x 3 =
J		= Total Cover	FACU species	x 4 =
Herb Stratum (Plot size		_ 	UPL species	x 5 =
1 Pucanthemi	in mode i	OUR UN	Column Totals	(A)(B)
i trucus con	ACC.		Prevalence Inde	x = B/A =
D. Glemerate			Hydrophytic Vegeta	
1	<u></u>	<u> </u>	Dominance Test	
5			Prevalence Index	
7			Morphological Ad	laptations' (Provide supporting
8				ks or on a separate sheet)
9			Welland Non-Vas	
10				ophytic Vegetation (Explain) oil and wetland hydrology must
11		_ 	be present, unless dis	sturbed or problematic
		= Total Cover		
Woody Vine Stratum (Plot size			Hydrophytic	
1			Vegetation	V
2		= Total Cover	Present?	res No X
% Bare Ground in Herb Stratum				
Remarks	· · · · · · · -			

_	_	٠.	
•	_		
_			

Sampling Point: 1443

Depth Matrix		rm the absence of indicators.)
	Redox Features	
(inches) Color (moist) %	Color (moist) % Type Loc ²	Texture Remarks
A	•	
10.5 100000	\· (·	
1 × 10 104 - 10	/	
Se univers	moraete en	
120 HUUPDIS	THURDIO 111.	
	17112110 36	
	 	
		
Type: C=Concentration D=Depletion RA	M=Reduced Matrix, CS=Covered or Coated Sand (Coning 24 posting Display Links 44-44-47
Hydric Soil Indicators: (Applicable to al	LRRs. unless otherwise noted.)	Greins. Location: PL=Pore Lining, M=Matrix. Indicators for Problematic Hydric Solis.
Histosol (A1)	Sandy Redox (S5)	
Histic Epipedon (A2)	Stripped Matrix (S6)	2 cm Muck (A10)
Black Histic (A3)	Loamy Mucky Mineral (F1) (except MLRA 1	Red Parent Material (TF2)
Hydrogen Sulfide (A4)	Loamy Gleyed Matrix (F2)	1) Other (Explain in Remarks)
Depleted Below Dark Surface (A11)	Depleted Matrix (F3)	
Thick Dark Surface (A12)	Redox Dark Surface (F6)	Indicators of hydrophytic vegetation and
Sandy Mucky Mineral (S1)	Depleted Dark Surface (F7)	wetland hydrology must be present
Sandy Gleyed Matrix (S4)	Redox Depressions (F8)	unless disturbed or problematic.
Restrictive Layer (if present):	productive (1911) 1667m with a substitute of the control of the co	
Туре		,
Depth (inches).		Hydric Soil Present? Yes No X
Remarks		
HYDROLOGY Wetland Hydrology Indicators:		
Primary Indicators (minimum of one require	ed: check all that apply)	Secondary Indicators (2 or more required)
Surface Water (A1)		
Mark Males Tobio (AD)	Water-Stained Leaves (89) (except Mi	LRA Water-Stained Leaves (B9) (MLRA 1, 2,
High Water Table (A2)	1, 2, 4A, and 4B)	LRA Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B)
Saturation (A3)	1, 2, 4A, and 4B) Satt Crust (B11)	LRA Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10)
Saturation (A3) Water Marks (B1)	1, 2, 4A, and 4B) Satt Crust (B11) Aquatic Invertebrates (B13)	LRA Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2)
Saturation (A3) Water Marks (B1) Sediment Deposits (B2)	1, 2, 4A, and 4B) Satt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1)	LRA Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9)
Seturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3)	1, 2, 4A, and 4B) Satt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Ro	LRA Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) oots (C3) Geomorphic Position (D2)
Seturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4)	1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Ro	LRA Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) oots (C3) Geomorphic Position (D2) Shallow Aquitard (D3)
Seturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5)	1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Ro Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C	LRA Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) oots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Seturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6)	1, 2, 4A, and 4B) Satt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Ro Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C	LRA Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) oots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) A) Raised Ant Mounds (D6) (LRR A)
Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B	1, 2, 4A, and 4B) Satt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Ro Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Solls (C Stunted or Stressed Plants (D1) (LRR A	LRA Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) oots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Seturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (E Sparsely Vegetated Concave Surface	1, 2, 4A, and 4B) Satt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Ro Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Solls (C Stunted or Stressed Plants (D1) (LRR A	LRA Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) oots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) A) Raised Ant Mounds (D6) (LRR A)
Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B5) Sparsely Vegetated Concave Surface	1, 2, 4A, and 4B) Satt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Ro Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C Stunted or Stressed Plants (D1) (LRR A Other (Explain in Remarks)	LRA Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) oots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) A) Raised Ant Mounds (D6) (LRR A)
Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B Sparsely Vegetated Concave Surface Field Observations: Surface Water Present?	1, 2, 4A, and 4B) Satt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Ro Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C Stunted or Stressed Plants (D1) (LRR 2) Other (Explain in Remarks) No Depth (inches)	LRA Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) oots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) A) Raised Ant Mounds (D6) (LRR A)
Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B Sparsely Vegetated Concave Surface Field Observations: Surface Water Present?	1, 2, 4A, and 4B) Satt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Ro Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C Stunted or Stressed Plants (D1) (LRR A Other (Explain in Remarks)	LRA Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) oots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) A) Raised Ant Mounds (D6) (LRR A)
Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B Sparsely Vegetated Concave Surface Field Observations: Surface Water Present? Yes Water Table Present?	1, 2, 4A, and 4B) Satt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Ro Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Solls (C Stunted or Stressed Plants (D1) (LRR & C) Other (Explain in Remarks) No Depth (inches):	LRA Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) oots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) A) Raised Ant Mounds (D6) (LRR A)
Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B Sparsely Vegetated Concave Surface Field Observations: Surface Water Present? Water Table Present? Yes Saturation Present? Yes (includes capillary fringe)	1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Ro Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C Stunted or Stressed Plants (D1) (LRR A Other (Explain in Remarks) No Depth (inches): No Depth (inches): Well	LRA Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) oots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) A) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B Sparsely Vegetated Concave Surface Field Observations: Surface Water Present? Water Table Present? Yes Saturation Present? Yes (includes capillary fringe)	1, 2, 4A, and 4B) Satt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Ro Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Solls (C Stunted or Stressed Plants (D1) (LRR & C) Other (Explain in Remarks) No Depth (inches):	LRA Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) oots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) A) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B Sparsely Vegetated Concave Surface Field Observations: Surface Water Present? Water Table Present? Yes Saturation Present? Yes (includes capillary fringe)	1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Ro Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C Stunted or Stressed Plants (D1) (LRR A Other (Explain in Remarks) No Depth (inches): No Depth (inches): Well	LRA Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) oots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) A) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B Sparsely Vegetated Concave Surface Field Observations: Surface Water Present? Water Table Present? Yes Saturation Present? Yes (includes capillary fringe)	1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Ro Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C Stunted or Stressed Plants (D1) (LRR A Other (Explain in Remarks) No Depth (inches): No Depth (inches): Well	LRA Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) oots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) A) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B Sparsely Vegetated Concave Surface Field Observations: Surface Water Present? Water Table Present? Yes Water Table Present? Saturation Present? (includes capillary fringe) Describe Recorded Data (stream gauge, m	1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Ro Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C Stunted or Stressed Plants (D1) (LRR A Other (Explain in Remarks) No Depth (inches): No Depth (inches): Well	LRA Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) oots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) A) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B Sparsely Vegetated Concave Surface Field Observations: Surface Water Present? Water Table Present? Yes Water Table Present? Saturation Present? (includes capillary fringe) Describe Recorded Data (stream gauge, m	1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Ro Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C Stunted or Stressed Plants (D1) (LRR A Other (Explain in Remarks) No Depth (inches): No Depth (inches): Well	LRA Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) oots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) A) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B Sparsely Vegetated Concave Surface Field Observations: Surface Water Present? Water Table Present? Yes Water Table Present? Saturation Present? (includes capillary fringe) Describe Recorded Data (stream gauge, m	1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Ro Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C Stunted or Stressed Plants (D1) (LRR A Other (Explain in Remarks) No Depth (inches): No Depth (inches): Well	LRA Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) oots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) A) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)

WETLAND DETERMINATION DATA FORM - Western Mountains, Valleys, and Coast Region Project/Site _ _____ State _____ Sampling Point L Applicant/Owner Section, Township, Range Landform (hillslope, terrace, etc.) ____ Local relief (concave, convex, none) _____ Slope (%) ___ Long. _ Datum _ Subregion (LRR): ____ Soil Map Unit Name ___ NWI classification. ___ Are climatic / hydrotogic conditions on the site typical for this time of year? Yes 🕺 No (If no, explain in Remarks) Are Vegetation . Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes ____ Are Vegetation Soil or Hydrology naturally problematic? (If needed, explain any answers in Remarks.) SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc. Hydrophytic Vegetation Present? is the Sampled Area Hydric Soil Present? within a Wetland? Wetland Hydrology Present? Remarks VEGETATION - Use scientific names of plants. Absolute Dominant Indicator Dominance Test worksheet: Tree Stratum (Plot size _____) % Cover Species? Status Number of Dominant Species That Are OBL, FACW, or FAC, **Total Number of Dominant** _ (B) Species Across Ali Strata Percent of Dominant Species That Are OBL, FACW, or FAC Sapling/Shrub Stratum (Plot size _____) Prevalence index worksheet: Total % Cover of Multiply by OBL species FACW species FAC species _____ FACU species ___ x 4 = = Total Cover UPL species x 5 = _____ Column Totals _____ (A) ____ (B) Prevalence Index = B/A = Hydrophytic Vegetation Indicators: Dominance Test is >50% Prevalence Index is \$3.01 · Morphological Adaptations' (Provide supporting data in Remarks or on a separate sheet) Wetland Non-Vascular Plants Problematic Hydrophytic Vegetation (Explain) Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic ≃ Total Cover Woody Vine Stratum (Plot size ____ Hydrophytic Vegetation Present? ____= Total Cover 1/4 Bare Ground in Herb Stratum ____ Remarks

OIL		Sampling Point:
Profile Description: (Describe to the dep	th needed to document the indicator or confirm	the absence of indicators.)
Depth Matrix	Redox Features	
(inches) Color (moist) %	Color (moist) % Type Loc2	Texture Remarks
0-12 1941313 1	\(\)	
713 TOURS	10UBH14 7.7.	
	19119-110 15%	
Type: C=Concentration D=Deplation RM=	-Reduced Matrix, CS=Covered or Coated Sand Gri	ains. ² Location: PL=Pore Lining, M≃Matrix.
lydric Soil Indicators: (Applicable to all		Indicators for Problematic Hydric Soils*:
Histosol (A1)	Sandy Redox (S5)	2 cm Muck (A10)
Histic Epipedon (A2)	Stripped Matrix (S6)	Red Parent Material (TF2)
Black Histic (A3)	Loamy Mucky Mineral (F1) (except MLRA 1)	Other (Explain in Remarks)
Hydrogen Sulfide (A4)	Loamy Gleyed Matrix (F2)	
Depleted Below Dark Surface (A11)	Depleted Matrix (F3)	
Thick Dark Surface (A12)	Redox Dark Surface (F6)	Indicators of hydrophytic vegetation and
Sandy Mucky Mineral (S1)	Depleted Dark Surface (F7)	wetland hydrology must be present.
Sandy Gleyed Matrix (S4) Restrictive Layer (if present):	Redox Depressions (F8)	unless disturbed or problematic.
CESTICTIVE LEVET III DIUSENTI.	•	
Туре:		
		Hydric Soil Present? Yes No K
Type: Depth (inches): Remarks		Hydric Soli Present? Yes No K
Type: Depth (inches): Remarks YDROLOGY Wetland Hydrology Indicators:		
Type:	d check all that apply)	Secondary Indicators (2 or more required)
Type: Depth (inches): Remarks YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1)	d: check all that apply) Water-Stained Leaves (B9) (except MLF	Secondary Indicators (2 or more required) A Water-Stained Leaves (B9) (MLRA 1,
Type:	d: check all that apply) Water-Stained Leaves (B9) (except MLF	Secondary Indicators (2 or more required) A Water-Stained Leaves (B9) (MLRA 1, 4A, and 4B)
Type: Depth (inches): Remarks YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3)	d: check all that apply) Water-Stained Leaves (89) (except MLF 1, 2, 4A, and 4B) Sait Crust (811)	Secondary Indicators (2 or more required) RA Water-Stained Leaves (B9) (MLRA 1, 4A, and 4B) Drainage Patterns (B10)
Type:	d: check all that apply) Water-Stained Leaves (B9) (except MLF 1, 2, 4A, and 4B) Sait Crust (B11) Aquatic Invertebrates (B13)	Secondary Indicators (2 or more required) RA
Type:	d: check all that apply) Water-Stained Leaves (B9) (except MLF 1, 2, 4A, and 4B) Sait Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1)	Secondary Indicators (2 or more required) RA
Type: Depth (inches): Remarks YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3)	d: check all that apply) Water-Stained Leaves (B9) (except MLF	Secondary Indicators (2 or more required) RA Water-Stained Leaves (B9) (MLRA 1,
Type: Depth (inches): Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algai Mat or Crust (B4)	d. check all that apply) Water-Stained Leaves (B9) (except MLF	Secondary Indicators (2 or more required) A
Type: Depth (inches): Remarks YDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algai Mat or Crust (B4) Iron Deposits (B5)	d: check all that apply) Water-Stained Leaves (B9) (except MLF 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Solis (C8)	Secondary Indicators (2 or more required) A
Type: Depth (inches): Remarks YDROLOGY Netland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algai Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6)	d: check all that apply) Water-Stained Leaves (B9) (except MLF 1, 2, 4A, and 4B) Sait Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Solis (C6) Stunted or Stressed Plants (D1) (LRR A)	Secondary Indicators (2 or more required) A Water-Stained Leaves (B9) (MLRA 1, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (Caster (C3) Geomorphic Position (D2) Shallow Aquitat (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
Type: Depth (inches): Remarks YDROLOGY Netland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algai Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B	d: check all that apply) Water-Stained Leaves (B9) (except MLF 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Solis (C6) Stunted or Stressed Plants (D1) (LRR A)	Secondary Indicators (2 or more required) A
Type: Depth (inches): Remarks YDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algai Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B) Sparsely Vegetated Concave Surface (IIII)	d: check all that apply) Water-Stained Leaves (B9) (except MLF 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Solis (C6) Stunted or Stressed Plants (D1) (LRR A)	Secondary Indicators (2 or more required) A Water-Stained Leaves (B9) (MLRA 1, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (Caster (C3) Geomorphic Position (D2) Shallow Aquitat (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
Type: Depth (Inches): Remarks YDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algai Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B: Sparsely Vegetated Concave Surface (I	d: check all that apply) Water-Stained Leaves (B9) (except MLF 1, 2, 4A, and 4B) Sait Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Solls (C8 Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks)	Secondary Indicators (2 or more required) A
Type:	d: check all that apply) Water-Stained Leaves (B9) (except MLF 1, 2, 4A, and 4B) Sait Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Solis (C6) Slunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) No Depth (inches):	Secondary Indicators (2 or more required) A Water-Stained Leaves (B9) (MLRA 1, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (Caster (C3) Geomorphic Position (D2) Shallow Aquitat (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
Type: Depth (Inches): Remarks YDROLOGY Netland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B: Sparsely Vegetated Concave Surface (Inches) Field Observations: Surface Water Present? Ves Water Table Present? Yes Water Table Present?	d: check all that apply) Water-Stained Leaves (B9) (except MLF 1, 2, 4A, and 4B) Sait Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Solls (C8 Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) No Depth (Inches):	Secondary Indicators (2 or more required) A Water-Stained Leaves (B9) (MLRA 1, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (Caster (C3) Geomorphic Position (D2) Shallow Aquitat (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)

Remarks

WETLAND DETERMINATION DATA FORM - Western Mountains, Valleys, and Coast Region Project/Site Section, Township, Range Investigator(s) Local relief (concave, convex, none) ______ Slope (%) ____ Landform (hillstope, terrace, etc.) Long: Datum Subregion (LRR) Soil Map Unit Name NWI classification. Are climatic / hydrologic conditions on the site typical for this time of year? Yes ______ No ______ (If no, explain in Remarks) Are Vegetation _____ Soil _____ or Hydrology _____significantly disturbed? Are "Normal Circumstances" present? Yes __ Are Vegetation Soil or Hydrology naturally problematic? (If needed, explain any answers in Remarks.) SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc. Hydrophytic Vegetation Present? Is the Sampled Area Hydric Soil Present? No within a Wetland? Wetland Hydrology Present? Remarks. VEGETATION - Use scientific names of plants. Absolute Dominant Indicator Dominance Test worksheet: Tree Stratum (Plot size _____) % Cover Species? Status Number of Dominant Species That Are OBL, FACW, or FAC. Total Number of Dominant Species Across All Strata (B) Percent of Dominant Species ____ = Total Cover That Are OBL, FACW, or FAC Sapling/Shrub Stratum (Plot size Prevalence Index worksheet: Total % Cover of Multiply by OBL species _____ FACW species _____ x 2 = x 3 = ____ FACU species ____ x 4 = = Total Cover x 5 = _____ Herb Stratum UPL species Column Totals (A) (B) Prevalence Index = 8/A = Hydrophytic Vegetation Indicators: _ Dominance Test is >50% TT Prevalence Index is ≤3.0' Morphological Adaptations (Provide supporting data in Remarks or on a separate sheet) Wetland Non-Vascular Plants Problematic Hydrophytic Vegetation (Explain) 'Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. = Total Cover Woody Vine Stratum (Plot size Hydrophytic Vegetation Present? _= Total Cover % Bare Ground in Herb Stratum ___

Remarks

	S	OI	L
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Sampling Point: K44.

Profile Description: (Describe to the deg	th needed to document the indicator or co	onfirm the absen	ce of indicators.)
Depth Matrix	Redox Features		
(inches) Color (moist) %	Color (moist) % Type ¹ Lo	oc² <u>Texture</u>	Remarks
<u> </u>			
()-14 (DUMA)3 (C)	y(.		

STILL INTOMICAL	101181010201		<u> </u>
10 lupula	CAN WILL SUR _		
	1000000000000000000000000000000000000		
	0		_
			
			
	=Reduced Matrix, CS=Covered or Coated Sa		Location: PL=Pore Lining, M=Matrix.
Hydric Soil Indicators: (Applicable to all			stors for Problematic Hydric Solis ³ :
Histosol (A1)	Sandy Redox (S5)		em Muck (A10)
Histic Epipedon (A2)	Stripped Matrix (S6)		ted Parent Material (TF2)
Black Histic (A3)	Loamy Mucky Mineral (F1) (except MLI Loamy Gleyed Matrix (F2)	RA 1) 0	Other (Explain in Remarks)
Hydrogen Sulfide (A4) Depleted Below Dark Surface (A11)	Depleted Matrix (F3)		
Thick Dark Surface (A11)	Redox Dark Surface (F6)	منصماذ	ators of hydrophytic vegetation and
Sandy Mucky Mineral (S1)	Depleted Dark Surface (F7)		ators of hydrophytic vegetation and atland hydrology must be present.
Sandy Gleyed Matrix (S4)	Redox Depressions (F8)		less disturbed or problematic.
Restrictive Layer (if present):			The state of the s
Туре	_	l l	
Depth (inches):		Hydric S	oli Present? Yes No
Remarks			
HYDROLOGY Wetland Hydrology Indicators:			
Primary Indicators (minimum of one require	d; check all that apply)	Se	condary Indicators (2 or more required)
Surface Water (A1)	Water-Stained Leaves (89) (excep	t MLRA	Water-Stained Leaves (B9) (MLRA 1, 2,
High Water Table (A2)	1, 2, 4A, and 4B)	_	4A, and 4B)
Saturation (A3)	Salt Crust (B11)		Drainage Patterns (B10)
Water Marks (B1)	Aquatic Invertebrates (B13)	_	Dry-Season Water Table (C2)
Sediment Deposits (B2)	Hydrogen Sulfide Odor (C1)	_	Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3)	Oxidized Rhizospheres along Livin	a Roots (C3)	
Algal Mai or Crust (B4)	Presence of Reduced Iron (C4)		Shallow Aquitard (D3)
Iron Deposits (B5)	Recent Iron Reduction in Tilled Soi		FAC-Neutral Test (D5)
Surface Soil Cracks (86)	Stunted or Stressed Plants (D1) (L		Raised Ant Mounds (D6) (LRR A)
Inundation Visible on Aerial Imagery (B	7) Other (Explain in Remarks)		Frost-Heave Hummocks (D7)
Sparsely Vegetated Concave Surface (
Field Observations:			
Surface Water Present? Yes	No Depth (inches)		
Water Table Present? Yes X	No Depth (inches):		
	No Depth (inches):	Wattend Hudeni	ogy Present? Yes X. No
(includes capillary fringe)		_	
Describe Recorded Data (stream gauge, m	pnitoring well, aerial photos, previous inspect	tions), if available.	
Damada			
Remarks			

WETLAND DETERMINATION DATA FORM - Western Mountains, Valleys, and Coast Region City/County Project/Site _ Sampling Point Applicant/Owner Section, Township, Range Investigator(s) Local relief (concave, convex, none) Landform (hillslope, terrace, etc.) Datum Subregion (LRR) Soil Mao Unit Name Are climatic / hydrologic conditions on the site typical for this time of year? Yes X(If no, explain in Remarks.) significantly disturbed? Are "Normal Circumstances" present? Yes Are Vegetation _____ Soil ____ or Hydrology ___ Are Vegetation _____ Soil _____ or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.) SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc. Hydrophytic Vegetation Present? is the Sampled Area Hydric Soil Present? within a Wetland? Wetland Hydrology Present? Remarks VEGETATION - Use scientific names of plants. Absolute Dominant Indicator Dominance Test worksheet: % Cover Species? Status Number of Dominant Species Tree Stratum (Plot size ___ That Are OBL, FACW, or FAC. (A) Total Number of Dominant Species Across All Strata Percent of Dominant Species ____ = Total Cover That Are OBL FACW, or FAC Sapling/Shrub Stratum (Ptot size Prevalence Index worksheet: Total % Cover of Multiply by. OBL species FACW species FAC species FACU species = Total Cover x 5 = _____ (A) _____ Column Totals. Prevalence Index = B/A = _ Hydrophytic Vegetation Indicators: Dominance Test is >50% Prevalence Index is \$3.0° Morphological Adaptations' (Provide supporting data in Remarks or on a separate sheet) Weiland Non-Vascular Plants Problematic Hydrophytic Vegetation (Explain) Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic = Total Cover Woody Vine Stratum (Plot size Hydrophytic Vegetation Present? = Total Cover % Bare Ground in Herb Stratum __ Remarks

		Sampling Point:
Profile Description: (Describe to the dep	oth needed to document the indicator or confirm	the absence of indicators.)
Depth Matrix	Redox Features	
(inches) Color (moist) %	Color (moist) % Type Loc2	Texture Remarks
hard terrandone		
<u>U-11 1UUMOIO 10</u>	<u>D'(·</u>	
, , , , , , , , , , , , , , , , , , ,	, -	
STA TRIBBIA TO	TIBETIA HOY:	
TIES HATOLIN		
Type: C=Concentration D=Depletion RM	=Reduced Matrix, CS=Covered or Coated Sand Gr	Tige 21 section: Di place i inice Atribitation
Hydric Soil Indicators: (Applicable to all		gins. ² Location: PL=Pore Lining, M=Matrix. Indicators for Problematic Hydric Solis ³ :
Histosol (A1)	Sandy Redox (S5)	2 cm Muck (A10)
Histic Epipedon (A2)	Stripped Matrix (S6)	Red Parent Material (TF2)
Black Histic (A3)	Loamy Mucky Mineral (F1) (except MLRA 1)	
Hydrogen Sulfide (A4)	Loamy Gleyed Matrix (F2)	
Depleted Below Dark Surface (A11)	Depleted Matrix (F3)	•
Thick Dark Surface (A12)	Redox Dark Surface (F6)	Indicators of hydrophytic vegetation and
Sandy Mucky Mineral (S1)	Depleted Dark Surface (F7)	wetland hydrology must be present
Sandy Gleyed Matrix (S4)	Redox Depressions (F8)	unless disturbed or problematic.
Restrictive Layer (if present):		
Type		· ·
Depth (inches):		Hydric Soll Present? Yes No X
Wetland Hydrology Indicators:	d: check all that apply)	Secondary Indicators (2 or more required)
Wetland Hydrology Indicators: Primary Indicators (minimum of one require		Secondary Indicators (2 or more required) Water-Stained Leaves (R9) (MLRA 1 2
Wetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1)	Water-Stained Leaves (B9) (except MLF	RA Water-Stained Leaves (B9) (MLRA 1, 2,
Wetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2)	Water-Stained Leaves (B9) (except MLF 1, 2, 4A, and 4B)	RA Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B)
Netland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3)	Water-Stained Leaves (B9) (except MLF 1, 2, 4A, and 4B) Salt Crust (B11)	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10)
Netland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1)	Water-Stained Leaves (B9) (except MLF 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic invertebrates (B13)	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2)
Netland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2)	Water-Stained Leaves (B9) (except MLF 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic invertebrates (B13) Hydrogen Sulfide Odor (C1)	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9)
Netland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3)	Water-Stained Leaves (B9) (except MLF 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) (C3) Geomorphic Position (D2)
Netland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2)	Water-Stained Leaves (B9) (except MLF 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic invertebrates (B13) Hydrogen Sulfide Odor (C1)	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) its (C3) Geomorphic Position (D2) Shallow Aquitard (D3)
Netland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4)	Water-Stained Leaves (B9) (except MLF 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roc Presence of Reduced Iron (C4)	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Netland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Aligal Mat or Crust (B4) Iron Deposits (B5)	Water-Stained Leaves (B9) (except MLF 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Titled Solls (C6 Stunted or Stressed Plants (D1) (LRR A)	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Netland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6)	Water-Stained Leaves (B9) (except MLF 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Solls (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks)	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
Wetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B Sparsely Vegetated Concave Surface (Water-Stained Leaves (B9) (except MLF 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Solls (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks)	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
Netland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B Sparsely Vegetated Concave Surface (B1) Gurface Water Present? Yes	Water-Stained Leaves (B9) (except MLF 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roc Presence of Reduced Iron (C4) Recent Iron Reduction in Titled Solls (C6 Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) 88)	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
Netland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B Sparsely Vegetated Concave Surface (B1) Gurface Water Present? Yes	Water-Stained Leaves (B9) (except MLF 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Titled Soils (C6 Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks)	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
Wetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B Sparsely Vegetated Concave Surface (Field Observations: Surface Water Present? Ves Water Table Present?	Water-Stained Leaves (B9) (except MLF 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Solls (C6 Stunted or Stressed Plants (D1) (LRR A) 7) Other (Explain in Remarks) 88) No Depth (inches): Depth (inches):	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
Wetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B Sparsely Vegetated Concave Surface (Field Observations: Surface Water Present? Yes Water Table Present? Yes Saturation Present? Yes Saturation Present? Yes Includes capillary fringe)	Water-Stained Leaves (B9) (except MLF 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Titled Soils (C6 Stunted or Stressed Plants (D1) (LRR A) 7) Other (Explain in Remarks) 88) No Depth (inches): No Depth (inches): Wette	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Wetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B Sparsely Vegetated Concave Surface (Field Observations: Surface Water Present? Yes Water Table Present? Yes Saturation Present? Yes Saturation Present? Yes Includes capillary fringe)	Water-Stained Leaves (B9) (except MLF 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Solls (C6 Stunted or Stressed Plants (D1) (LRR A) 7) Other (Explain in Remarks) 88) No Depth (inches): Depth (inches):	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B Sparsely Vegetated Concave Surface (Field Observations: Surface Water Present? Water Table Present? Yes Saturation Present? Yes (includes capillary fringe)	Water-Stained Leaves (B9) (except MLF 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Titled Soils (C6 Stunted or Stressed Plants (D1) (LRR A) 7) Other (Explain in Remarks) 88) No Depth (inches): No Depth (inches): Wette	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Wetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B Sparsely Vegetated Concave Surface (Field Observations: Surface Water Present? Yes Water Table Present? Yes Saturation Present? Yes Includes capillary fringe) Describe Recorded Data (stream gauge, minimum)	Water-Stained Leaves (B9) (except MLF 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Titled Soils (C6 Stunted or Stressed Plants (D1) (LRR A) 7) Other (Explain in Remarks) 88) No Depth (inches): No Depth (inches): Wette	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Wetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B Sparsely Vegetated Concave Surface (Field Observations: Surface Water Present? Yes Water Table Present? Yes Saturation Present? Yes [includes capillary fringe) Describe Recorded Data (stream gauge, minimum of the present) of the present of the pr	Water-Stained Leaves (B9) (except MLF 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Titled Soils (C6 Stunted or Stressed Plants (D1) (LRR A) 7) Other (Explain in Remarks) 88) No Depth (inches): No Depth (inches): Wette	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)

WETLAND DETERMINATION DATA FORM - Western Mountains, Valleys, and Coast Region

Dieci/Sile Diecy is		_ City/County _			1411/2
plicant/Owner	21'			Sampling Point	* 1714
vestigator(s)			ship, Range		
ndform (hillslope ferrace, etc.)					
bregion (LRR)	Lat _		Long	Datu	m
il Map Unit Name			NWI	classification	
e climatic / hydrologic conditions on !	the site typical for this time of	year? Yes X	No (If no, exp	dain in Remarks)	
e Vegetation Soil or	and the second s			lances" present? Yes	No <u>(</u>
e Vegetation Soil or			(if needed, explain an	y answers in Remarks.)	
UMMARY OF FINDINGS - A			point locations, trai	nsects, important fe	atures, et
lydrophytic Vegetation Present?	Yes No	/			
lydric Soil Present?	Yes No		Sampled Area a Wetland?	es No_X	
Vetland Hydrology Present?	Yes No	_] •	a ************************************		
GETATION – Use scientific					
The second secon	ADSOR	ute Dominant Ir		est worksheet:	
ree Stralum (Plot size		ver Species?	14011001 01 001	minant Species FACW or FAC	<u>)</u> (A)
			Total Number		<u>.</u> (8)
		= Total Cove	Percent of Dor	minant Species L FACW, or FAC	10°(. (A)
Sapling/Shrub Stratum (Plot size			Prevalence in	dex worksheet:	
A 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1				over of: Multip	oly by.
				x1=	
				s x 2 =	
				x 3 =	
		= Total Cove	FACU species	x 4 =	
terb Stratum (Plot size	70	 	UPL species	x 5 =	
L. vuicare			Column Totals	s(A)	(
D. Carbica D. Ol merc	UA. A	O K H	LA	nce Index = B/A =	
Parincul	us 800 2	O K F		Vegetation Indicators:	
Fribra	7	OX F		ce Test is >50%	
H. radica	C = C	<u> 5</u> 1		ce Index is ≤3.01	
1. nirsuta		<u>) </u>	Morpholo	igical Adaptations ¹ (Provid n Remarks or on a separa	ie supporting te sheet)
T. Officiac	rale 5	7	7-1/ V K	Non-Vascular Plants	10 0.10017
· · · · · · · · · · · · · · · · · · ·				atic Hydrophytic Vegetation	ກໍ(Explain)
10			Indicators of	hydric soil and wetland hy nless disturbed or problem	drology mus
11		= Total Cove	1 .	niess disturbed of problem	
Woody Vine Stratum (Plot size			"		
1			Hydrophytic		4
2			Vegetation Present?	Yes No	_ X
		= Total Cove			
_					
% Bare Ground in Herb Stratum			·-·	·	

	th needed to document the indicator or confirm	the absence of indicators.)
Depth Matrix (inches) Color (moist) %	Redox Features	
(inches) Color (moist) %	Color (moist) % Type Loc3	Texture Remarks
	n	
0112 104 DIS 10	<u> </u>	
sut variate	1151-71-11	<u> </u>
214 IDUBDIA	1000HIG 15%	
	100 Phollo 31.	
	Reduced Matrix, CS=Covered or Coated Sand Gri	
lydric Soil Indicators: (Applicable to all		Indicators for Problematic Hydric Solls':
Histosol (A1) Histic Epipedon (A2)	Sandy Redox (S5) Stripped Matrix (S6)	2 cm Muck (A10)
Black Histic (A3)	Loamy Mucky Mineral (F1) (except MLRA 1)	Red Parent Material (TF2) Other (Explain in Remarks)
Hydrogen Sulfide (A4)	Loamy Gleyed Matrix (F2)	Other (Explain in Remarks)
Depleted Below Dark Surface (A11)	Depleted Matrix (F3)	
Thick Dark Surface (A12)	Redox Dark Surface (F6)	Indicators of hydrophytic vegetation and
Sandy Mucky Mineral (S1)	Depleted Dark Surface (F7)	wetland hydrology must be present.
Sandy Gleyed Matrix (S4)	Redox Depressions (F8)	unless disturbed or problematic.
testrictive Layer (If present):		
		1
Type:		l t
Death (inches):		Hydric Soll Present? Yes No
Depth (inches):		
Depth (inches): temarks YDROLOGY		
Depth (inches): VDROLOGY Vetland Hydrology Indicators:		
Depth (inches): Pernarks POROLOGY Vettand Hydrology Indicators: Primary Indicators (minimum of one required)	d check all that apply)	Secondary Indicators (2 or more required)
Depth (inches): YDROLOGY Yetland Hydrology Indicators: Timary Indicators (minimum of one required Surface Water (A1)	d_check all Ihat apply) Water-Stained Leaves (89) (except MLR	Secondary Indicators (2 or more required) A Water-Stained Leaves (B9) (MLRA 1,
Depth (inches): YDROLOGY Yetland Hydrology Indicators: Timary Indicators (minimum of one required Surface Water (A1) High Water Table (A2)	d_check all that apply) Water-Stained Leaves (B9) (except MLR 1, 2, 4A, and 4B)	Secondary Indicators (2 or more required) A Water-Stained Leaves (B9) (MLRA 1, 4A, and 4B)
Depth (inches): YDROLOGY Vetland Hydrology Indicators: Trimary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3)	d_check all that apply} Water-Stained Leaves (89) (except MLR 1, 2, 4A, and 4B) Salt Crust (811)	Secondary Indicators (2 or more required) A Water-Stained Leaves (89) (MLRA 1,
Depth (inches): YDROLOGY Vetland Hydrology Indicators: Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1)	d_check all that apply} Water-Stained Leaves (89) (except MLR	Secondary Indicators (2 or more required) A Water-Stained Leaves (B9) (MLRA 1,
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Depth (inches): YDROLOGY Yetland Hydrology Indicators: Yimary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3)	d_check all that apply) Water-Stained Leaves (89) (except MLR	Secondary Indicators (2 or more required) (A Water-Stained Leaves (89) (MLRA 1,
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WETLAND DETERMINATION DATA FORM - Western Mountains, Valleys, and Coast Region Project/Site State _____ Sampling Point Applicant/Owner Investigator(s) Section, Township, Range Local relief (concave, convex, none). Slope (%) Landform (hillstope terrace, etc.) _____ Datum ___ _____ Long. ____ Subregion (LRR) _ NWI classification. Soit Map Unit Name Are climatic / hydrologic conditions on the site typical for this time of year? Yes ______ No (If no, explain in Remarks.) Are Vegetation _____ Soil _____ or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes ____ Are Vegetation Soil or Hydrology naturally problematic? (if needed, explain any answers in Remarks.) SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc. Hydrophytic Vegetation Present? is the Sampled Area Hydric Soil Present? within a Wetland? Welland Hydrology Present? Remarks. VEGETATION - Use scientific names of plants. Dominance Test worksheet: Absolute Dominant Indicator % Cover Species? Status Tree Stratum (Plot size Number of Dominant Species That Are OBL, FACW, or FAC Total Number of Dominant Species Across All Strata Percent of Dominant Species ____ = Total Cover That Are OBL FACW, or FAC Sapling/Shrub Stratum (Plot size Prevalence index worksheet: Total % Cover of Multiply by. OBL species FACW species _____ FAC species FACU species = Total Cover UPL species x 5 = _____ ____ (A) _____ (B) Column Totals Prevalence Index = B/A = Hydrophytic Vegetation Indicators: __ Dominance Test is >50% Prevalence Index is \$3.01 - Morphological Adaptations' (Provide supporting data in Remarks or on a separate sheet) Welland Non-Vascular Plants Problematic Hydrophytic Vegetation (Explain) Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic _= Total Cover Woody Vine Stratum (Plot size Hydrophytic Vegetation Present? = Total Cover 1% Bare Ground in Herb Stratum ____ Remarks

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inches) Color (mois		or (moist) % Type Loc2	<u>Texture</u> Remarks	
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ander	40-12	1311 + 3: i		
	 	10-21-10-1		
voe: C=Concentration D=	Depletion RM=Reduc	ed Matrix, CS=Covered or Coated Sand G	rains. ² Location: PL=Pore Lining, M=Ma	trix
		unless otherwise noted.)	Indicators for Problematic Hydric Se	
Histosol (A1)		andy Redox (S5)	2 cm Muck (A10)	
Histic Epipedon (A2)		ripped Matrix (S6)	Red Parent Material (TF2)	
_ Black Histic (A3)	Lo	amy Mucky Mineral (F1) (except MLRA 1)	Other (Explain in Remarks)	
Hydrogen Sulfide (A4)		amy Gleyed Matrix (F2)		
Depleted Below Dark St		epleted Matrix (F3)	*	
_ Thick Dark Surface (A12	· —	edox Dark Surface (F6) epleted Dark Surface (F7)	'Indicators of hydrophytic vegetation a wetland hydrology must be present	
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WETLAND DETERMINATION DATA FORM - Western Mountains, Valleys, and Coast Region Project/Site Sampling Point Applicant/Owner. Investigator(s) Section, Township, Range _ Landform (hillslope, terrace, etc.)QLocal relief (concave, convex, none) ______ Slope (%) Long. ____ Datum ___ Subregion (LRR). _ NWI classification. Soil Map Unit Name Are climatic / hydrotogic conditions on the site typical for this time of year? Yes ______ No (If no, explain in Remarks.) Are Vegetation _____. Soit _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes ____ Are Vegetation _____ Soil _____ or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.) SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc. Hydrophytic Vegetation Present? is the Sampled Area No ___ Hydric Soil Present? Yes within a Wetland? Wetland Hydrology Present? Yes _ Remarks: VEGETATION - Use scientific names of plants. Absolute Dominant Indicator Dominance Test worksheet: Tree Stratum (Plot size % Cover Species? Status Number of Dominant Species That Are OBL, FACW, or FAC. DEPUDOSTUGA MUNCU Total Number of Dominant Species Across All Strata Percent of Dominant Species ____ = Total Cover That Are OBL FACW, or FAC _ (A/B) Sapling/Shrub Stratum (Plot size _____) Prevalence Index worksheet: Total % Cover of: Multiply by OBL species _____ x 1 = ____ ____ x 2 = ___ FACW species FAC species ____ ___ x 4 = ____ FACU species ___ = Total Cover ___ x 5 =._____ UPL species Prevalence Index = B/A = _ Hydrophytic Vegetation Indicators: __ Dominance Test is >50% Prevalence Index is \$3.0 __ Morphological Adaptations' (Provide supporting data in Remarks or on a separate sheet) Welland Non-Vascular Plants Problematic Hydrophytic Vegetation (Explain) Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Total Cover Woody Vine Stratum (Plot size Hydrophytic Vegetation Present? ≠ Total Cover % Bare Ground in Herb Stratum Remarks

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Sampling Point: KUS

Depth Matrix		
	Redox Features	To do as Bonnecke
(inches) Color (moist) %	Color (mois) % Type Loc	Texture Remarks
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79 1110812	1012416 306	- Clour
- Toderda —		·
	10/12/01/0 2%	
·		
Type: C=Concentration D=Depletion RM	Reduced Matrix, CS=Covered or Coated Sand G	rains. 2Location. PL=Pore Lining, M=Matrix.
Hydric Soil Indicators: (Applicable to all	LRRs, unless otherwise noted.)	Indicators for Problematic Hydric Solls':
Histosol (A1)	Sandy Redox (S5)	2 cm Muck (A10)
Histic Epipedon (A2)	Stripped Matrix (S6)	Red Parent Material (TF2)
Black Histic (A3)	Loamy Mucky Mineral (F1) (except MLRA 1)) Other (Explain in Remarks)
Hydrogen Sulfide (A4)	Loamy Gleyed Matrix (F2)	
Depleted Below Dark Surface (A11)	Depleted Matrix (F3)	
Thick Dark Surface (A12)	Redox Dark Surface (F6)	³ Indicators of hydrophytic vegetation and
Sandy Mucky Mineral (S1)	Depleted Dark Surface (F7)	wetland hydrology must be present. unless disturbed or problematic.
Sandy Gleyed Matrix (S4)	Redox Depressions (F8)	unress distanced of problematic.
Restrictive Layer (if present):		
Туре:		Hydric Soli Present? Yes K No
Depth (inches):		nyanc and Fresent 148 110
HYDROLOGY Wetland Hydrology Indicators:		
Primary Indicators (minimum of one require	discharge all that annivit	
	D. CHECK All that apply 1	Secondary Indicators (2 or more required)
Surface Water (A1)	Water-Stained Leaves (B9) (except ML	
Surface Water (A1) High Water Table (A2)		.RA Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B)
_	Water-Stained Leaves (B9) (except ML	.RA Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10)
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WETLAND DETERMINATION DATA FORM - Western Mountains, Valleys, and Coast Region CLAUAM ___ Sampling Date 3.20 Project/Site Applicant/Owner Section, Township, Range investigator(s) Landform (hillslope, terrace, etc.) Local relief (concave, convex, none) _____ Long. ____ Subregion (LRR) Soil Map Unit Name Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No (If no, explain in Remarks.) Are Vegetation _____. Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes _ Are Vegetation Soil or Hydrology naturally problematic? (if needed, explain any answers in Remarks.) SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc. Hydrophytic Vegetation Present? Is the Sampled Area Hydric Soil Present? within a Wetland? Welland Hydrology Present? Remarks VEGETATION - Use scientific names of plants. Absolute Dominant Indicator Dominance Test worksheet: % Cover Species? Status Tree Stratum (Plot size _____) Number of Dominant Species That Are OBL, FACW, or FAC. Total Number of Dominant Species Across All Strata Percent of Dominant Species = Total Cover That Are OBL FACW, or FAC Sapling/Shrub Stratum (Plot size Prevalence index worksheet: Total % Cover of OBL species **FACW** species FAC species FACU species = Total Cover UPL species Column Totals Prevalence Index = B/A = Hydrophytic Vegetation Indicators: Dominance Test is >50% Prevalence Index is \$3.0 Morphological Adaptations' (Provide supporting data in Remarks or on a separate sheet) Welland Non-Vascular Plants Problematic Hydrophytic Vegetation (Explain) Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic Total Cover Woody Vine Stratum (Plot size Hydrophytic Vegetation Present? % Bare Ground in Herb Stratum Remarks

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Sampling Point: K49

Profile Description: (Describe to the depth	needed to document the indicator or confirm	n the appeared of indicators.)
DepthMatrix	Redox Features	
(inches) Color (moist) %	Color (moist) % Type Loc ²	Texture Remarks
T = T = T = T = T = T = T = T = T = T =	10/05/20 311	
	3/25/10	
	JUE JU	
711 151111513	10 May 10 10 10	
-211 1601 1821		
		
		ļ ļ
Tune Concentration D=Depletion RMs6	Reduced Matrix, CS=Covered or Coated Sand G	rsins, ² Location. PL=Pore Lining, M≈Matrix.
Hydric Soil Indicators: (Applicable to all L		Indicators for Problematic Hydric Solis':
	_ Sandy Redox (S5)	2 cm Muck (A10)
Histosol (A1)	Stripped Matrix (\$6)	Red Parent Material (TF2)
Histic Epipedon (A2) Black Histic (A3)	Loamy Mucky Mineral (F1) (except MLRA 1	
Black histic (A3) Hydrogen Sulfide (A4)	Loamy Gleyed Matrix (F2)	One (Explain in Nemarks)
Depleted Below Dark Surface (A11)	Depleted Matrix (F3)	
Thick Dark Surface (A12)	Redox Dark Surface (F6)	Indicators of hydrophytic vegetation and
Sandy Mucky Mineral (S1)	Depleted Dark Surface (F7)	wetland hydrology must be present.
Sandy Gleyed Matrix (S4)	Redox Depressions (F8)	unless disturbed or problematic.
Restrictive Layer (If present):		
Type:		
		Hydric Soil Present? Yes No
Depth (inches).		1170110 00117 10001111 1100
Remarks		
HYDROLOGY		
HYDROLOGY Wetland Hydrology indicators:		
	check all that apply)	Secondary Indicators (2 or more required)
Wetland Hydrology Indicators: Primary Indicators (minimum of one required:	check ail that apply) Water-Stained Leaves (B9) (except ML	
Wetland Hydrology Indicators: Primary Indicators (minimum of one required: Surface Water (A1)		
Wetland Hydrology Indicators: Primary Indicators (minimum of one required: Surface Water (A1) High Water Table (A2)	Water-Stained Leaves (89) (except ML 1, 2, 4A, and 4B)	.RA Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B)
Wetland Hydrology Indicators: Primary Indicators (minimum of one required: Surface Water (A1) High Water Table (A2) Saturation (A3)	Water-Stained Leaves (B9) (except ML 1, 2, 4A, and 4B) Sait Crust (B11)	.RA Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10)
Wetland Hydrology Indicators: Primary Indicators (minimum of one required: Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1)	Water-Stained Leaves (B9) (except ML 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13)	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2)
Wetland Hydrology Indicators: Primary Indicators (minimum of one required: Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2)	Water-Stained Leaves (B9) (except ML 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1)	
Wetland Hydrology Indicators: Primary Indicators (minimum of one required: Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3)	Water-Stained Leaves (B9) (except ML 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Ro	.RA Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) oots (C3) Geomorphic Position (D2)
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WETLAND DETE	RMINATION DÁTA FO	RM - We	estern Mou	ntains, Valleys, a	nd Coast Regi	ion
Project/Site A22		Citv/Cou	inty. (ALO)	llam	Samolino Date	2.22.1
Applicant/Owner MOULE	200	_ =:,		Siale		
Investigator(s)	<u> </u>	Section				
Landform (hillsiope terrace, etc.						<u></u>
Subregion (LRR) LPPA		LOCAL !E	mer (concave, i	convex, none)	s	10pe (%)
/ . 1 🔪	Lat					
Soil Map Unit Name				NWI class		
Are climatic / hydrologic conditions on the			_			L
Are Vegetation Soil or				Normal Circumstances	present? Yes _	No <u>X</u>
Are Vegelation Soil or	Hydrologynaturally	problematic	i) (If ne	eded, explain any ans	wers in Remarks.)	
SUMMARY OF FINDINGS - A	ttach site map showing	ng sampi	ling point le	ocations, transec	ts. important	features, etc
		-				
Hydrophytic Vegetation Present?	Yes No	- ls	the Sampled	Area		
Hydric Soil Present?	Yes No	w	rithin a Wetlar	nd? Yes	<u> n₀_X</u>	_
Welland Hydrology Present?	Yes No		· · · · · · · · · · · · · · · · · · ·			
Remarks						
VEGETATION - Use scientific			· · · · · · · · · · · · · · · · · · ·			
AEGE LATION - Ose scientific	A	te Domin	ant Indicator	Dominance Test wo	orkehaat:	
Tree Stratum (Plot size)	er Specie	s? Status	Number of Dominan	Secrice	
1				That Are OBL, FACV	V. or FAC	(A)
2				Total Number of Dor	minant	_
3				Species Across All S		3 (B)
4				Percent of Dominant	Soboles	/
		= Total	Cover	That Are OBL. FAC		331. (A/B)
Sapling/Shrub Stratum (Plot size				Prevalence Index w	orkeheet	· · · · · · · · · · · · · · · · · · ·
1				Total % Cover of		inly by
2				OBL species		
3				FACW species		
4		·			x 3 =	
5		= Total	Cover	FACU species	x4 =	
Herb Stratum (Plot size	··-···································		rac.	UPL species	x 5 =	
Dalomorato	<u> </u>	<u> </u>	- - 1 111	Column Totals	(A)	(B)
2 Festuca rue	369	<u> </u>	<u> </u>	_		
3 D. CAROTA		<u> </u>	_ <u>u</u>	Prevalence Inc		
1. OficionAlt		5 —		Dominance Tes		
5 XAnunculus	spp - 15		_ thu	Prevalence Inde		
6 L. VULGARE	<u> </u>		- USC	Morphological A	· ·	de supondino
1 TEFOLIUM 2	12	<u>. </u>		data in Rema	arks or on a separa	ite sheet)
BUICIA MILAU	XA	'-	- HACL	Wetland Non-Vi	escular Plants	
9 PUHITIAGO LIGITU	COLATA 10	<u> </u>		Problematic Hyd	drophytic Vegetatio	מל (Explain)
10				Indicators of hydric		
11		Total	Cover	be present, unless d	isturbed of probler	matic.
Woody Vine Stratum (Plot size		, 10,0,	0070			
1				Hydrophytic		
2				Vegetation Present?	Yes No	X
10	×''	= Tolal	Cover			
1% Bare Ground in Herb Stratum	<u>) [· </u>			<u> </u>		
Remarks						

B. J. Pashisan	or confirm the absence of indicators.)
	<u> </u>
(inches) Color (moist) % Color (moist) % Type	Loc ² Texture Remarks
	<u> </u>
1-12 101633 100%	
7 12 14 14 14 14 14 14 14 14 14 14 14 14 14	
712 Junia Junia	
- 17 184/0 30".	
	· · · · · · · · · · · · · · · · · · ·
Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coa	ted Sand Grains. 2Location: PL=Pore Lining, M=Matrix.
Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)	Indicators for Problematic Hydric Soils':
Histosol (A1) Sandy Redox (S5)	2 cm Muck (A10)
Histic Epipedon (A2) Stripped Matrix (S6)	Red Parent Material (TF2)
Black Histic (A3) Loamy Mucky Mineral (F1) (exce	pt MLRA 1) Other (Explain in Remarks)
Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2)	
Depleted Below Dark Surface (A11) Depleted Matrix (F3)	Indicators of hydrophytic vegetation and
Thick Dark Surface (A12) Redox Dark Surface (F6)	wetland hydrology must be present.
Sandy Mucky Mineral (S1) Depleted Dark Surface (F7) Sandy Gleved Matrix (S4) Redox Depressions (F8)	unless disturbed or problematic.
	William Clark and City Proposition
Restrictive Layer (if present):	
Type:	Hydric Soll Present? Yes No X
Depth (inches):	17/47/2 30/17/1330/11/
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (2 or more required)
Wetland Hydrology Indicators: Primary Indicators (minimum of one required, check all that apply)	Secondary Indicators (2 or more required) (Avcent MLRA Water-Stained Leaves (B9) (MLRA 1, 2,
Wetland Hydrology Indicators: Primary Indicators (minimum of one required, check all that apply) Surface Water (A1) Water-Stained Leaves (89)	(except MLRA Water-Stained Leaves (B9) (MLRA 1, 2,
Wetland Hydrology Indicators: Primary Indicators (minimum of one required, check all that apply) Surface Water (A1) High Water Table (A2) Water-Stained Leaves (B9) 1, 2, 4A, and 4B)	(except MLRA Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B)
Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Surface Water (A1) Water-Stained Leaves (89) High Water Table (A2) 1, 2, 4A, and 4B) Saturation (A3) Salt Crust (B11)	(except MLRA Water-Stained Leaves (89) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (810)
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Wetland Hydrology Indicators: Primary Indicators (minimum of one required, check all that apply) Surface Water (A1)	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Ing Living Roots (C3) Geomorphic Position (D2) (C4) Shallow Aquitard (D3) FAC-Neutral Test (D5) (D1) (LRR A) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B)
Wetland Hydrology Indicators: Primary Indicators (minimum of one required, check all that apply) Surface Water (A1)	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Ing Living Roots (C3) Geomorphic Position (D2) (C4) Shallow Aquitard (D3) FAC-Neutral Test (D5) (D1) (LRR A) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5)
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Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Surface Water (A1)	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Ing Living Roots (C3) Geomorphic Position (D2) (C4) Shallow Aquitard (D3) illed Soils (C6) FAC-Neutral Test (D5) (O1) (LRR A) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) Wetland Hydrology Present? Yes No
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Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Surface Water (A1)	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Ing Living Roots (C3) Geomorphic Position (D2) (C4) Shallow Aquitard (D3) illed Soils (C6) FAC-Neutral Test (D5) (O1) (LRR A) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) Wetland Hydrology Present? Yes No

Project/Site A2Z		ı	City/County	Cic	Man	Sameline Dat	. KF	シ
applicant/Owner WOYT	(597)		City/County		State			
0.00110	(5)		Section To	_	nge			
nvestigator(s)		-	Long relief	(connection)			Cto o o /8/)	57
andform (hillstope, ferrace, etc.)			, .	(concave.)	convex, none)		Sibpe (%)	<u> </u>
//1	/	La:			Long		_	
oil Map Unit Name				4	NWI clas		<u> </u>	
re climatic / hydrologic conditions on t					(If no, explain			
re Vegetation Soil or				Are '	Normal Circumstance	s"present? Yes	<u> — </u>	• <u>K</u>
re Vegetation Soil or	r Hydrology	naturally pro	blematic?	(If ne	eded, explain any an	swers in Remarks.	}	
UMMARY OF FINDINGS - A	Attach site ma	p showing	samplin	g point l	ocations, transe	cts, important	feature	s, et
	Yes	No. Y						
Hydrophytic Vegetation Present?	Yes		1	e Sampled				
Hydric Soil Present? Welland Hydrology Present?	Yes	No X	with	in a Wetlar	nd? Yes_	<u> </u>		
Remarks							•	-
n ng nga nganggang ka garang angangga nganggan nganggan nganggan nganggan nganggan nganggan nganggan nganggan								
EGETATION – Use scientific	c names of pla	ants.						
and the second of the second o		Absolute			Dominance Test w	orksheet:		
Tree Stratum (Plot size			Species?		Number of Dominar That Are OBL: FAC	7		(A)
1								. (/)
3					Total Number of Do Species Across All		න	(B)
4								
			= Total Co	ver	Percent of Dominar That Are OBL FAC		 გგო	, (A/B
Sapling/Shrub Stratum (Plot size								
1					Prevalence Index		ltiply by	
2					1	x1=		
3					FACW species			
5.					,			_
s			= Total Co	over	FACU species	x4=		
Herb Stratum (Plot size)	0.5		T-70 \	UPL species	x5=		_
E Cruscall	i	_ 🔆	<u> </u>	DAG T	Column Totals	(A)		(B)
2 D. GIBMORAT	2	<u>- 40</u>	<u> </u>	#IZY	P	idex = B/A =		
3 TACAKACUALC	Hician H	<u>e</u>	<u> </u>	7 TU	Hydrophytic Vege			
4 N. Pirouta				FO()	L Dominance Te		•	
5 P. Lancoplan	H			FAC	Prevalence Inc			
6 Anuncuur	a opp.			نسد.	Ψ—	Adaptations (Pro	vide suppo	orling
· · · · · · · · · · · · · · · · · · ·					data in Ren	narks or on a sepa	rate sheet	1)
8					Welland Non-\			
10					l 	ydrophylic Vegeta		
11					Indicators of hydri be present, unless	c soil and wetland disturbed or probl	hydrology ematic.	ាធមនា
			_= Total Co	ver				-
Woody Vine Stratum (Plot size)	v						
1				. 	Hydrophytic Vegetation			
2					Present?	YesN	•_X_	
10	<u> </u>	<u> </u>	_= Total Co	ver	}		_	
% Bare Ground in Herb Stratum	$\mathcal{D}(\epsilon)$							

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•	73	L	
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mpling Point:

Depth Matrix [inches] Color (moist) %	Redox Features Color (moist) % Type Loc²	Texture Remarks
		Texture Remarks
J-14 104B33 TO	<u>04.</u>	
STIT TISTACIO		
14 10401a	101/24/16 16x.	
	10/140/0 30%	
	·	
Type: C=Concentration, D=Deplation, RI	M=Reduced Matrix, CS=Covered or Coated Sand Gra	ains. ² Location: PL=Pore Lining, M=Matrix.
lydric Soil Indicators: (Applicable to a	il LRRs, unless otherwise noted.)	Indicators for Problematic Hydric Soils3:
Histosol (A1) Histic Epipedon (A2)	Sandy Redox (S5)	2 cm Muck (A10)
Black Histic (A3)	Stripped Matrix (S6)	Red Parent Material (TF2)
Hydrogen Sulfide (A4)	Loamy Mucky Mineral (F1) (except MLRA 1) Loamy Gleyed Matrix (F2)	Other (Explain in Remarks)
Depleted Below Dark Surface (A11)	Depleted Matrix (F3)	
Thick Dark Surface (A12)	Redox Dark Surface (F6)	Indicators of hydrophytic vegetation and
_ Sandy Mucky Mineral (S1)	Depleted Dark Surface (F7)	wetland hydrology must be present.
Sandy Gleyed Matrix (S4)	Redox Depressions (F8)	unless disturbed or problematic.
estrictive Layer (if present):	- On the state of	
Type:		_
		Hydric Soll Present? Yes No X
emarks 'DROLOGY		Hydric Soli Present? Yes No A
PROLOGY Setland Hydrology Indicators: Simmary Indicators (minimum of one require		Secondary Indicators (2 or more required)
PROLOGY Setland Hydrology Indicators: Surface Water (A1)	ed, check all that apply) Water-Stained Leaves (89) (except MLR/	Secondary Indicators (2 or more required)
PROLOGY Setland Hydrology Indicators: Surface Water (A1) High Water Table (A2)	Water-Stained Leaves (89) (except MLR/ 1, 2, 4A, and 48)	Secondary Indicators (2 or more required)
PROLOGY etiand Hydrology Indicators: imary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3)	Water-Stained Leaves (89) (except MLR/ 1, 2, 4A, and 48) Salt Crust (811)	Secondary Indicators (2 or more required) Water-Stained Leaves (89) (MLRA 1, 2)
PROLOGY etland Hydrology Indicators: imary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1)	 Water-Stained Leaves (B9) (except MLR/1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) 	Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2)
PROLOGY Setland Hydrology Indicators: Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2)	Water-Stained Leaves (89) (except MLR/ 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1)	Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9
PROLOGY etland Hydrology Indicators: imary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3)	Water-Stained Leaves (88) (except MLR/ 1, 2, 4A, and 4B) Salt Crust (811) Aquatic Invertebrates (813) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roots	Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9 (C3) Geomorphic Position (D2)
/DROLOGY /etland Hydrology Indicators: rimary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mal or Crust (B4)	Water-Stained Leaves (89) (except MLR/ 1, 2, 4A, and 4B) Salt Crust (811) Aquatic Invertebrates (813) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roots Presence of Reduced Iron (C4)	Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9 (C3)) Geomorphic Position (D2) Shallow Aquitard (D3)
PROLOGY Setland Hydrology Indicators: Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mai or Crust (B4) Iron Deposits (B5)	Water-Stained Leaves (89) (except MLR/ 1, 2, 4A, and 4B) Salt Crust (811) Aquatic Invertebrates (813) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roots Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6)	Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9 (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5)
PROLOGY Vetland Hydrology Indicators: timary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mai or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6)	Water-Stained Leaves (89) (except MLR/ 1, 2, 4A, and 4B) Salt Crust (811) Aquatic Invertebrates (813) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roots Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A)	Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9 (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
PROLOGY Setland Hydrology Indicators: Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Daposits (B3) Algal Mai or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B	Water-Stained Leaves (89) (except MLR/ 1, 2, 4A, and 4B) Salt Crust (811) Aquatic Invertebrates (813) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roots Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks)	Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9 (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5)
PROLOGY Setiand Hydrology Indicators: Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Daposits (B3) Algal Mai or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B Sparsely Vegetated Concave Surface (B1)	Water-Stained Leaves (89) (except MLR/ 1, 2, 4A, and 4B) Salt Crust (811) Aquatic Invertebrates (813) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roots Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks)	Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9 (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
PROLOGY Petland Hydrology Indicators: timary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mai or Crust (B4) tron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B Sparsely Vegetated Concave Surface (eld Observations:	Water-Stained Leaves (88) (except MLR/ 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roots Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks)	Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9 (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
PROLOGY Petland Hydrology Indicators: timary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mai or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B Sparsely Vegetated Concave Surface (eld Observations: Inface Water Present? Yes	Water-Stained Leaves (89) (except MLR/ 1, 2, 4A, and 4B) Salt Crust (811) Aquatic Invertebrates (813) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roots Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) 88)	Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9 (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
PROLOGY Vetland Hydrology Indicators: timary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mai or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B Sparsely Vegetated Concave Surface (B1) Indice Water Present? Yes Sater Table Present?	Water-Stained Leaves (B9) (except MLR/ 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roots Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) No Depth (inches).	Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9 Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
PROLOGY Vetland Hydrology Indicators: timary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mai or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B Sparsely Vegetated Concave Surface (Pold Observations: Inface Water Present? Interaction Present? Yes Interaction Present? Yes	Water-Stained Leaves (89) (except MLR/ 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roots Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) No Depth (inches): No Depth (inches): Wetlant	Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9, 5) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
PROLOGY Vetland Hydrology Indicators: timary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mai or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B Sparsely Vegetated Concave Surface (Pold Observations: Inface Water Present? Interaction Present? Yes Interaction Present? Yes	Water-Stained Leaves (B9) (except MLR/ 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roots Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) No Depth (inches).	Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9, 5) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
PROLOGY Vetland Hydrology Indicators: timary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mai or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B Sparsely Vegetated Concave Surface (Pold Observations: Inface Water Present? Interaction Present? Yes Interaction Present? Yes	Water-Stained Leaves (89) (except MLR/ 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roots Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) No Depth (inches): No Depth (inches): Wetlant	Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9, 5) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
PROLOGY Petland Hydrology Indicators: timary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mai or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B Sparsely Vegetated Concave Surface (eld Observations: Inface Water Present? Yes alter Table Present? Yes Sulturation Present? Yes Cludes capillary fringe) Iscribe Recorded Data (stream gauge mo	Water-Stained Leaves (89) (except MLR/ 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roots Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) No Depth (inches): No Depth (inches): Wetlant	Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9, 5) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)

WETLAND DETERMINATION DATA FORM - Western Mountains, Valleys, and Coast Region Project/Site Applicant/Owner _ MOCK ___ Sampling Point if Section, Township, Range Investigator(s) Landform (hillslope, terrace, etc.) _____ Local relief (concave, convex, none) ___ _____ Long. ____ Subregion (LRR) Soil Map Unit Name ___ NWI classification. Are climatic / hydrologic conditions on the site typical for this time of year? Yes K No (If no, explain in Remarks) Are Vegetation _____ Soil ____ or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes Are Vegetation _____ Soil ____ or Hydrology ____ naturally problematic? (if needed, explain any answers in Remarks.) SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc. Hydrophytic Vegetation Present? is the Sampled Area Hydric Soil Present? within a Wetland? Wetland Hydrology Present? Remarks VEGETATION - Use scientific names of plants. Absolute Dominant Indicator Dominance Test worksheet: % Cover Species? Status Tree Stratum (Plot size _____) Number of Dominant Species That Are OBL. FACW, or FAC. Total Number of Dominant Species Across All Strata Percent of Dominant Species _____ = Total Cover (A/B) That Are OBL FACW, or FAC Sapling/Shrub Stratum (Plot size) Prevalence index worksheet: Total % Cover of: Multiply by OBL species FACW species FAC species FACU species __ = Total Cover x5=____ UPL species Column Totals (A) (B) Prevalence Index = B/A = Hydrophytic Vegetation Indicators: Dominance Test is >50% Prevalence Index is \$3.01 · Morphological Adaptations' (Provide supporting data in Remarks or on a separate sheet) Welland Non-Vascular Plants Problematic Hydrophytic Vegetation (Explain) 'indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic = Total Cover Woody Vine Stratum (Plot size _____) Hydrophytic Vegetation Present? = Total Cover % Bare Ground in Herb Stratum __ Remarks

rofile Description: (Describe to the den	th needed to document the indicator or confirm	Sampling Point:
Depth Matrix	Redox Features	the absence of (holicators.)
inches) Color (moist) %	Color (moist) % Type Loc2	Texture Remarks
)-11	D*(v	
V		
		
Constitution Deposition PM	Badward Marin Conference of Control Control	2
ydric Soil Indicators: (Applicable to all	Reduced Matrix, CS=Covered or Coated Sand Gra	ins. Location: PL=Pore Lining, M=Matrix. Indicators for Problematic Hydric Solis.
Histosol (A1)	Sandy Redox (S5)	2 cm Muck (A10)
Histic Epipedon (A2)	Stripped Matrix (S6)	Red Parent Material (TF2)
_ Black Histic (A3)	Loamy Mucky Mineral (F1) (except MLRA 1)	Other (Explain in Remarks)
Hydrogen Sulfide (A4) Depleted Below Dark Surface (A11)	Loamy Gleyed Matrix (F2) Depleted Matrix (F3)	
Thick Dark Surface (A12)	Redox Dark Surface (F6)	Indicators of hydrophytic vegetation and
Sandy Mucky Mineral (S1)	Depleted Dark Surface (F7)	wetland hydrology must be present.
Sandy Gleyed Matrix (S4)	Redox Depressions (F8)	unless disturbed or problematic.
estrictive Layer (If present):		
Туре	<u> </u>	· · · · · · · · · · · · · · · · · · ·
O		. X
Depth (inches):		Hydric Soli Present? Yes No X
POROLOGY Vetland Hydrology Indicators:		Hydric Soli Present? Yes No X
POROLOGY Vetland Hydrology Indicators: Vimary Indicators (minimum of one required	check all that apply)	Secondary Indicators (2 or more required)
POROLOGY Vetland Hydrology Indicators: rimary Indicators (minimum of one required Surface Water (A1)	check all that apply) Water-Stained Leaves (B9) (except MLR	Secondary Indicators (2 or more required) A Water-Stained Leaves (B9) (MLRA 1, 2,
POROLOGY Vetland Hydrology Indicators: rimary Indicators (minimum of one required Surface Water (A1) High Water Table (A2)	check all that apply) Water-Stained Leaves (B9) (except MLR 1, 2, 4A, and 4B)	Secondary Indicators (2 or more required) A Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B)
POROLOGY Vetland Hydrology Indicators: Vimary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3)	check all that apply) Water-Stained Leaves (B9) (except MLR 1, 2, 4A, and 4B) Satt Crust (B11)	Secondary Indicators (2 or more required) A Water-Stained Leaves (89) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (810)
POROLOGY Vetland Hydrology Indicators: rimary Indicators (minimum of one required Surface Water (A1) High Water Table (A2)	check all that apply) Water-Stained Leaves (B9) (except MLR 1, 2, 4A, and 4B) Satt Crust (B11) Aquatic Invertebrates (B13)	Secondary Indicators (2 or more required) A
PROLOGY Vetland Hydrology Indicators: rimary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1)	check all that apply) Water-Stained Leaves (B9) (except MLR 1, 2, 4A, and 4B) Satt Crust (B11)	Secondary Indicators (2 or more required) A
POROLOGY Vetland Hydrology Indicators: rimary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2)	check all that apply) Water-Stained Leaves (B9) (except MLR 1, 2, 4A, and 4B) Salt Crust (B11) Aqualic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4)	Secondary Indicators (2 or more required) A
POROLOGY Vetland Hydrology Indicators: rimary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mai or Crust (B4) Iron Deposits (B5)	check all that apply) Water-Stained Leaves (89) (except MLR 1, 2, 4A, and 4B) Salt Crust (811) Aqualic Invertebrates (813) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Titled Solls (C6)	Secondary Indicators (2 or more required) A
POROLOGY Vetland Hydrology Indicators: rimary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mai or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6)	check all that apply) Water-Stained Leaves (B9) (except MLR 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Titled Solls (C6) Stunted or Stressed Plants (D1) (LRR A)	Secondary Indicators (2 or more required) A
PROLOGY Vetland Hydrology Indicators: rimary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mai or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7	check all that apply) Water-Stained Leaves (B9) (except MLR 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Titled Solls (C6) Stunted or Stressed Plants (D1) (LRR A)	Secondary Indicators (2 or more required) A
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YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mai or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7 Sparsely Vegetated Concave Surface (Bield Observations:	Check all that apply) Water-Stained Leaves (B9) (except MLR 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Titled Solls (C6) Situnted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks)	Secondary Indicators (2 or more required) A
YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mail or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7 Sparsely Vegetated Concave Surface (Bield Observations:	check all that apply) Water-Stained Leaves (B9) (except MLR 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Titled Solls (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) Bo Depth (inches).	Secondary Indicators (2 or more required) A
YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mail or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7 Sparsely Vegetated Concave Surface (Bield Observations: urface Water Present? Yes Vater Table Present?	Water-Stained Leaves (B9) (except MLR 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Titled Solls (C6) Slunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) Depth (inches):	Secondary Indicators (2 or more required) A
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YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mail or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7 Sparsely Vegetated Concave Surface (Bield Observations: urface Water Present? Ves Vater Table Present? Ves Auturation Present?	Water-Stained Leaves (B9) (except MLR 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Titled Solls (C6) Slunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) Depth (inches):	Secondary Indicators (2 or more required) A
POROLOGY Vetland Hydrology Indicators: rimary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mail or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7 Sparsely Vegetated Concave Surface (Beld Observations: urface Water Present? Saturation Present? Set Mail Mail or Crust (B6) Inundation Visible on Aerial Imagery (B7 Sparsely Vegetated Concave Surface (Beld Observations: Surface Water Present? Saturation Present? Set Mail Mail Or Crust (B6) Sparsely Vegetated Concave Surface (Beld Observations: Surface Water Present? Set Mail Mail Or Crust (B6) Sparsely Vegetated Concave Surface (B6) Sparsely Vegetated Concave Surface (B6) Surface Water Present? Set Mail Mail Or Crust (B6) Sparsely Vegetated Concave Surface (B6) Sparsely Vegetated Concave Surface (B6) Surface Water Present? Set Mail Mail Or Crust (B4) Sparsely Vegetated Concave Surface (B6) Sparsely Vegetated Concave Surface (B6) Sparsely Vegetated Concave Surface (B6) Surface Water Present? Set Mail Mail Or Crust (B4) Sparsely Vegetated Concave Surface (B6)	check all that apply	Secondary Indicators (2 or more required) A
YDROLOGY Netland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mail or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7 Sparsely Vegetated Concave Surface (Bield Observations: Surface Water Present? Vater Table Present? Ves Vater Table Present? Includes capillary fringe)	check all that apply	Secondary Indicators (2 or more required) A
POROLOGY Vetland Hydrology Indicators: Vimary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mail or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7 Sparsely Vegetated Concave Surface (Bield Observations: urface Water Present? Vater Table Present? Ves Alter Table Present Pre	check all that apply	Secondary Indicators (2 or more required) A

WETLAND DETERMINATION DATA FORM - Western Mountains, Valleys, and Coast Region Project/Site City/County Applicant/Owner 1 Slate _____ Sampling Point: Investigator(s) Section, Township, Range Landform (hillstope, terrace, etc.) Local relief (concave, convex, none). _____ Slope (%) Subregion (LRR) _____Long. ______ Datum Soil Map Unit Name _____ NWI classification. __ Are climatic / hydrologic conditions on the site typical for this time of year? Yes No ___ (If no, explain in Remarks) Are Vegetation _____. Soil _____ or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes _____ Are Vegetation Soil or Hydrology naturally problematic? (If needed, explain any answers in Remarks.) SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc. Hydrophytic Vegetation Present? is the Sampled Area Hydric Soil Present? Yes No within a Wetland? Welland Hydrology Present? Yes _____ No. Remarks VEGETATION - Use scientific names of plants. Absolute Dominant Indicator Dominance Test worksheet: % Cover Species? Status Tree Stratum (Plot size _____) Number of Dominant Species That Are OBL, FACW, or FAC. Total Number of Dominant Species Across All Strala Percent of Dominant Species _____ = Total Cover That Are OBL, FACW, or FAC Sapling/Shrub Stratum (Plot size Prevalence Index worksheet: Total % Cover of Multiply by OBL species FACW species _____ x 2 = ____ FAC species _____ x 3 = ____ ____ x 4 = ____ = Total Cover FACU species ___ UPL species _ x 5 = ____ (A) _____(B) Prevalence Index = B/A = Hydrophytic Vegetation Indicators: ___ Dominance Test is >50% Prevalence Index is \$3.01 · Morphological Adaptations' (Provide supporting stalagnas data in Remarks or on a separate sheet) Welland Non-Vascular Plants Problematic Hydrophytic Vegetation (Explain) indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic ノ= Total Cover Woody Vine Stratum (Plot size Hydrophytic Vegetation Present? _= Total Cover % Bare Ground in Herb Stratum Remarks

rofile Description: (Describe to the dep	th needed to document the indicator or confirm	the absence of indicators.)
epth Matrix	Redox Features	Texture Remarks
nches) Color (moist) %	Color (moist) % Type Loc*	TOXIO D
13 10483	100%	
15 104HG2	10166671	
vee: C=Concentration D=Depletion RM	=Reduced Matrix, CS=Covered or Coated Sand Gra	ains. *Location: PL=Pore Lining, M=Matrix.
ydric Soil Indicators: (Applicable to all	LRRs, unless otherwise noted.)	Indicators for Problematic Hydric Solis':
Histosol (A1)	Sandy Redox (S5)	2 cm Muck (A10)
Histic Epipedon (A2)	Stripped Matrix (S6)	Red Parent Material (TF2)
_ Black Histic (A3)	Loamy Mucky Mineral (F1) (except MLRA 1)	Other (Explain in Remarks)
_ Hydrogen Sulfide (A4)	Loamy Gleyed Matrix (F2)	
Depleted Below Dark Surface (A11)	Depleted Matrix (F3) Redox Dark Surface (F6)	Indicators of hydrophytic vegetation and
_ Thick Dark Surface (A12) Sandy Mucky Mineral (S1)	Depicted Dark Surface (F7)	wetland hydrology must be present.
Sandy Gleyed Matrix (S4)	Redox Depressions (F8)	unless disturbed or problematic.
estrictive Layer (if present):		
Туре		
Depth (inches):		Hydric Soli Present? Yes No
Depth (inches):emarks		Hydric Soli Present? Yes No
Depth (inches):emarks		
Depth (inches):		
Depth (inches): Pemarks Portional Control of the requirement of the	ed check all (ha) apply)	Şecondary Indicators (2 or more required)
Pepth (inches): emarks /DROLOGY Vetland Hydrology Indicators: rimary Indicators (minimum of one require Surface Water (A1)		Şecondary Indicators (2 or more required)
Depth (inches): emarks /DROLOGY Vetland Hydrology Indicators: rimary Indicators (minimum of one require Surface Water (A1) High Water Table (A2)	ed: check ail (ha) apply) — Water-Stained Leaves (89) (axcept MLF	Secondary Indicators (2 or more required) RA Water-Stained Leaves (B9) (MLRA 1,
Depth (inches): emarks /DROLOGY /etland Hydrology Indicators: rimary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3)	ed: check ail that apply) Water-Stained Leaves (89) (except MLF 1, 2, 4A, and 4B) Salt Crust (811)	Secondary Indicators (2 or more required) RA Water-Stained Leaves (B9) (MLRA 1, 4A, and 4B)
Depth (inches): emarks (DROLOGY /etland Hydrology Indicators: rimary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1)	ed: check all that apply) Water-Stained Leaves (89) (except MLF	Secondary Indicators (2 or more required) RA Water-Stained Leaves (B9) (MLRA 1,
Depth (inches): emarks (DROLOGY /etland Hydrology Indicators: rimary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2)	ed check ail that apply) Water-Stained Leaves (89) (except MLF 1, 2, 4A, and 4B) Salt Crust (811) Aquatic Invertebrates (813)	Secondary Indicators (2 or more required) RA Water-Stained Leaves (B9) (MLRA 1,
Pepth (inches): emarks **POLOGY **Vetland Hydrology Indicators: rimary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3)	ed_check_ail_(hat_apply) Water-Stained Leaves (89) (except MLF 1, 2, 4A, and 4B) Salt Crust (811) Aquatic Invertebrates (813) Hydrogen Sulfide Odor (C1)	Secondary Indicators (2 or more required) RA Water-Stained Leaves (B9) (MLRA 1,
Depth (inches): emarks (DROLOGY /etland Hydrology Indicators: rimary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2)	ed_check_all_that_apply) Water-Stained Leaves (B9) (except MLF 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roc	Secondary Indicators (2 or more required) RA
Depth (inches): emarks /DROLOGY /etland Hydrology Indicators: rimary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4)	ed check all that apply) Water-Stained Leaves (B9) (except MLF 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roc Presence of Reduced Iron (C4)	Secondary Indicators (2 or more required) RA
Depth (inches): emarks //DROLOGY //etland Hydrology Indicators: rimary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5)	ed: check ail that apply) Water-Stained Leaves (B9) (except MLF 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roc Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Solls (C6) Stunted or Stressed Plants (D1) (LRR A	Secondary Indicators (2 or more required) RA
Depth (inches): emarks /DROLOGY /etland Hydrology Indicators: rimary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6)	ed: check ail that apply) Water-Stained Leaves (89) (except MLF 1, 2, 4A, and 4B) Salt Crust (811) Aquatic Invertebrates (813) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Rod Presence of Reduced Iron (C4) Recent Iron Reduction in Titled Solls (C6) Stunted or Stressed Plants (D1) (LRR A	Secondary Indicators (2 or more required) RA
Pepth (inches): emarks POROLOGY Vetland Hydrology Indicators: rimary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (I Sparsely Vegetated Concave Surface	ed: check ail that apply) Water-Stained Leaves (89) (except MLF 1, 2, 4A, and 4B) Salt Crust (811) Aquatic Invertebrates (813) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Rod Presence of Reduced Iron (C4) Recent Iron Reduction in Titled Solls (C6) Stunted or Stressed Plants (D1) (LRR A	Secondary Indicators (2 or more required) RA
Pepth (inches): emarks **TOROLOGY **Vetland Hydrology Indicators: **Irimary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (I Sparsely Vegetated Concave Surface isteface Water Present? Yes	ed: check ail that apply) Water-Stained Leaves (89) (except MLF 1, 2, 4A, and 4B) Salt Crust (811) Aquatic Invertebrates (813) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Rod Presence of Reduced Iron (C4) Recent Iron Reduction in Titled Solls (C6 Stunted or Stressed Plants (D1) (LRR A B7) Other (Explain in Remarks) (88)	Secondary Indicators (2 or more required) RA
Pepth (inches): Itemarks YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one required and sequence) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (Inches Surface Water Present?	ed: check ail that apply) Water-Stained Leaves (89) (except MLF 1, 2, 4A, and 4B) Salt Crust (811) Aquatic Invertebrates (813) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Rod Presence of Reduced Iron (C4) Recent Iron Reduction in Titled Solls (C6 Stunted or Stressed Plants (D1) (LRR A B7) Other (Explain in Remarks) (88)	Secondary Indicators (2 or more required) RA
Pepth (inches): Itemarks YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one required and sequence) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (Inches Surface Water Present?	ed check ail that apply) Water-Stained Leaves (89) (except MLF 1, 2, 4A, and 4B) Salt Crust (811) Aquatic Invertebrates (813) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roc Presence of Reduced Iron (C4) Recent Iron Reduction in Titled Solls (C6 Stunted or Stressed Plants (D1) (LRR A B7) Other (Explain in Remarks) (B8) No Depth (inches):	Secondary Indicators (2 or more required) RA
Per Netiand Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (I Sparsely Vegetated Concave Surface Idad Observations: Surface Water Present? Vater Table Present? Ves Saturation Present? Ves	ed check all that apply) Water-Stained Leaves (B9) (except MLF 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roc Presence of Reduced Iron (C4) Recent Iron Reduction in Titled Solls (C6 Stunted or Stressed Plants (D1) (LRR A B7) Other (Explain in Remarks) (B8) No Depth (inches): No Depth (inches): Wett	Secondary Indicators (2 or more required) RA
Pepth (inches): Itemarks Proposition (Page 1) For Proposition (Page 1) For Proposition (Page 2) For Proposition (Page	ed: check ail that apply) Water-Stained Leaves (89) (except MLF 1, 2, 4A, and 4B) Salt Crust (811) Aquatic Invertebrates (813) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Rod Presence of Reduced Iron (C4) Recent Iron Reduction in Titled Solls (C6 Stunted or Stressed Plants (D1) (LRR A B7) Other (Explain in Remarks) (88)	Secondary Indicators (2 or more required) RA
Pepth (inches): emarks Procedure Pettand Hydrology Indicators: rimary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (I Sparsely Vegetated Concave Surface ield Observations: urface Water Present? Vater Table Present? Vater Table Present? Ves	ed check all that apply) Water-Stained Leaves (B9) (except MLF 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roc Presence of Reduced Iron (C4) Recent Iron Reduction in Titled Solls (C6 Stunted or Stressed Plants (D1) (LRR A B7) Other (Explain in Remarks) (B8) No Depth (inches): No Depth (inches): Wett	Secondary Indicators (2 or more required) RA

WETLAND DETERMINATION DATA FORM - Western Mountains, Valleys, and Coast Region ___ State ______ Sampling Point. __ _ Section, Township, Range _ ___ Local relief (concave, convex, none). _____ Slope (%) Subregion (LRR) ___ NWI classification.

Are climatic / hydrologic conditions on	the site lypical for this time of yea	r? Yes No (If	no, explain in Remark	
Are Vegetation Soil or	r Hydrology significantly c	disturbed? Are Normal C	Dircumstances" presen	it? Yes No 🕊
Are Vegetation Soil or	r Hydrology naturally prol	blematic? (If needed, ex	plain any answers in R	lemarks.)
SUMMARY OF FINDINGS - A	Attach site map showing	sampling point location	is, transects, imp	oortant features, etc.
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present?	Yes No No Yes No No	is the Sampled Area within a Wetland?	Yes	No <u>X</u>
Remarks				

		Dominant Indicator Species? Status	Dominance Test worksheet:
ree Stratum (Plot size)			Number of Dominant Species That Are OBL, FACW, or FAC. (A)
			Total Number of Dominant Species Across All Strata (B)
apling/Shrub Stratum (Piot size)		= Total Cover	Percent of Dominant Species That Are OBL FACW, or FAC 25% (A/B)
apping/Shrub Stratom (For Size			Prevalence Index worksheet:
			Total % Cover of Multiply by
			OBL species x 1 =
			FACW species x 2 =
The state where the property of the state of			FAC species x 3 =
		= Total Cover	FACU species x 4 =
erb Stratum (Piot size)			UPL species x 5 =
DAGULS GLOMERATA	30	X FACE	Column Totals(A)(B
TAMENTAL OF CLOSE	2°0	X +000	Prevalence Index = B/A =
FOCAL (I'A PLAPED	15	Fi-7C	Hydrophytic Vegetation Indicators:
TO COLLINA 500	5	FA	Dominance Test is >50%
HOTCHARIES PACICATE	5	FAC	Prevalence Index is ≤3.0°
DICIA NICOLIA	5	UPL	Morphological Adaptations' (Provide supporting
PARLICULUS SPA	20	X FPCU	Welland Non-Vascular Plants
		·	Problematic Hydrophytic Vegetation (Explain)
0			'Indicators of hydric soil and wetland hydrology must
1	120		be present, unless disturbed or problematic
Noody Vine Stratum (Plot size)	11/2	2= Total Cover	
7000 VIII	. <u> </u>		Hydrophytic
			Vegetation Present? Yes No
		= Total Cover	Present tes
& Bare Ground in Herb Stratum			
Remarks			

Total Broompale (Broom as to mo	epth needed to document the indicator or confirm	. 1.10 22001102 01 11121021010.1
Depth Matrix	Redox Features	
(inches) Color (moist) %	Color (moist) % Type Loc	Texture Remarks
17. 10442 16	ō(·	
TO TOPERS TO	<u> </u>	
12 11212612	11712/01/- 157	
as marons —	- 100 1616 1615	
	- WYRTHO - CY	
Type: C=Concentration, D=Depletion, R	M=Reduced Matrix, CS=Covered or Coated Sand Gr	Bins. *Location: PL=Pore Lining, M=Matrix.
lydric Soil Indicators: (Applicable to	all LRRs, unless otherwise noted.)	indicators for Problematic Hydric Solis':
Histosof (A1)	Sandy Redox (\$5)	2 cm Muck (A10)
Histic Epipedon (A2)	Stripped Matrix (S6)	Red Parent Material (TF2)
Black Histic (A3)	Loamy Mucky Mineral (F1) (except MLRA 1)	Other (Explain in Remarks)
Hydrogen Sulfide (A4) Depleted Below Dark Surface (A11)	Loamy Gleyed Matrix (F2) Depleted Matrix (F3)	
Depleted Below Dalk Surface (A17) Thick Dark Surface (A12)	Redox Dark Surface (F6)	Indicators of hydrophytic vegetation and
Sandy Mucky Mineral (S1)	Depleted Dark Surface (F7)	wetland hydrology must be present.
Sandy Gleyed Matrix (S4)	Redox Depressions (F8)	unless disturbed or problematic.
testrictive Layer (if present):	to the second se	
Туре:		
1770		
Depth (inches):		Hydric Soil Present? Yes No Yes No Y
Depth (inches):		Hydric Soil Present? Yes No
Depth (inches): Remarks YDROLOGY		Hydric Soil Present? Yes No
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WETLAND DETE			^	-		·
roject/Site		City/	County. <u>(</u>	llan	Sampling Da	ile 3.
oplicant/Owner _MORUE	\$ 0			Slate	Sampling Po	oint 100
vestigator(s)	5	Sec	lion, Township, Ran	ge		
ndform (hillstope ferrace, etc.)						Slope (%)
bregion (LRR)		•		,		
l Map Unit Name				NWI clas		
climatic / hydrologic conditions on t				(If no, explain		
Vegetation Soil or				Normal Circumstance		, _{No} X
e Vegetation Soil or				eded, explain any an		
				, ,		
JMMARY OF FINDINGS - A	ttach site ma	ap showing sa	mpling point ic	cations, transe	cts, importar	it features, o
ydrophytic Vegetation Present?	Yes	No /	1	•		
lydric Soil Present?		No Z	Is the Sampled within a Wetlan		No	8
Velland Hydrology Present?	Yes X	No	within a vvetian	ur 199_		/
emarks:						· · ·
GETATION – Use scientific						
GETATION - Osa scientini	- Hames VI P		minant Indicator	Dominance Test v	vorksheet:	- · · · · ·
ree Stratum (Plot size)		ecies? Status	Number of Domina		ch
				That Are OBL, FAC	CW, or FAC	Y (#
				Total Number of Di		'
				Species Across All	Strata	(E
		=	Total Count	Percent of Domina	nt Species	,,
apling/Shrub Stratum (Plot size			Giai Cove	That Are OBL: FAC		(/
				Prevalence Index		
				Total % Cover		
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	de			FACW species FAC species		
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Last Contract / Plot 6170	ì	=	Total Cover	Y	x 5 =	
D. a menta		20 k	FACU	Column Totals _		
D. CAROTTA		25 x	UPL			
t. officion Ale	<u> </u>	<u>20</u> k	-—£acu	-	ndex = B/A =	
P. LancedIATA		<u> </u>	FACU	Hydrophytic Veg Dominance T		5 :
h. vucace		_ <u> </u>	— H	Prevalence In		
Testolum	200				Adaptations1 (Pi	rovide supportir
Bonusculus	dag c		\	data in Re	marks or on a se	parate sheet)
3		 _		Welland Non-	Vascular Plants	
·					Hydrophytic Vege	
10				Indicators of hydrobe present, unless	ric soil and wetlar s disturbed or pro	id hydrology mi blematic:
11		<u> </u>	Total Cover	De present, unes		
Woody Vine Stratum (Plot size)					
				Hydrophytic Vegetation		١.
2				Present?	Yes	No X
% Bare Ground in Herb Stratum	5/.		Total Cover			
W Bate Ground in Lieup Sitatoni				_L		

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Sampling	Point:	

Profile Description: (Describe to the dep		
Depth Matrix (inches) Color (moist) %	Redox Features Color (moist) % Type Loc²	Texture Remarks
(Arteries) Color (Interes)		
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	17 1941010.1.	
	AUZOLI INV.	
	token	
	Reduced Matrix, CS=Covered or Coated Sand	
lydric Soil Indicators: (Applicable to all	LRRs, unless otherwise noted.)	Indicators for Problematic Hydric Solis':
Histosol (A1)	Sandy Redox (S5)	2 cm Muck (A10)
Histic Epipedon (A2)	Stripped Matrix (S6)	Red Parent Material (TF2)
Black Histic (A3)	Losmy Mucky Mineral (F1) (except MLRA	1) Other (Explain in Remarks)
Hydrogen Sulfide (A4)	Loamy Gleyed Matrix (F2)	
Depleted Below Dark Surface (A11) Thick Dark Surface (A12)	Depleted Matrix (F3) Redox Dark Surface (F6)	Indicators of hydrophytic vegetation and
Sandy Mucky Mineral (S1)	Depleted Dark Surface (F7)	wetland hydrology must be present.
Sandy Gleyed Matrix (S4)	Redox Depressions (F8)	unless disturbed or problematic
testrictive Layer (If present):		
Type		
•		Hydric Solt Present? Yes No X
YDROLOGY		
Remarks YDROLOGY Wetland Hydrology Indicators:		Secondary Indicators (2 or more required)
YDROLOGY Vetland Hydrology Indicators:		Secondary Indicators (2 or more required)
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YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4)	d. check ail that apply) Water-Stained Leaves (89) (except No. 1, 2, 4A, and 4B) Sait Crust (811) Aquatic Invertebrates (813) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Recognitions	Secondary Indicators (2 or more required) MLRA
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YDROLOGY Netland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B) Sparsely Vegetated Concave Surface (Beld Observations: Surface Water Present? Ves Vater Table Present? Yes Saturation Present? Yes Yes Saturation Present? Yes Yes Yes	d. check ail that apply) Water-Stained Leaves (B9) (except No. 1, 2, 4A, and 4B) Sait Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Recent from Reduction in Tilled Soils (Control of Stunted or Stressed Plants (D1) (LRR) Other (Explain in Remarks) No. Depth (inches):	Secondary Indicators (2 or more required) MLRA
YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B Sparsely Vegetated Concave Surface (I Ield Observations: Surface Water Present? Ves Vater Table Present? Yes Surface capillary fringe)	d. check ail that apply) Water-Stained Leaves (B9) (except No. 1, 2, 4A, and 4B) Sait Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Recent from Reduction in Tilled Soils (Control of Stunted or Stressed Plants (D1) (LRR) Other (Explain in Remarks) No. Depth (inches):	Secondary Indicators (2 or more required) MLRA
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YDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B Sparsely Vegetated Concave Surface (Indicated Vater Present? Water Table Present? Ves Water Table Present? Ves Saturation Present Pres	d. check all that apply) Water-Stained Leaves (B9) (except No. 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Recent Iron Reduction in Tilled Soils (Stunted or Stressed Plants (D1) (LRR Other (Explain in Remarks) No. Depth (inches): No. Depth (inches):	Secondary Indicators (2 or more required) MLRA

WETLAND DETERMINATION	DATA FORM – Western Mou	ntains, Valleys, and Coast Region
Project/Site A9Z	City/County CLO	1 October 1 Sampling Date 3.22
10,000.010		State Sampling Point
201100	Saction Township Pa	200
andform (hillslope, terrace, etc.)	Local relief (concave, o	convex none) HOLL Slope (%) 5%
Subregion (LRR) LRF	Lat	Long Datum.
Soil Map Unit Name (12) Clau		NWI classification.
Are climatic / hydrologic conditions on the site typical for		(If no. explain in Remarks)
Are Vegetation Soil or Hydrology		Normal Circumstances" present? Yes No
		eded, explain any answers in Remarks.)
Are Vegetation Soil or Hydrology		
SUMMARY OF FINDINGS - Attach site ma	ap showing sampling point l	ocations, transects, important features, etc.
Hydrophytic Vegetation Present? Hydric Soit Present? Wetland Hydrology Present? Yes Yes Yes	No Lis the Sampled within a Wetlan	N
Alarger 70 of bare	ground in the	us non wetlandar
VEGETATION - Use scientific names of p	lants.	
The second secon	Absolute Dominant Indicator	Dominance Test worksheet:
<u>Tree Stratum</u> (Plot size)	% Cover Species? Status	Number of Dominant Species That Are OBL_FACW_or FAC(A)
3		Total Number of Dominant Species Across All Strata (B)
4	= Total Cover	Percent of Dominant Species That Are OBL FACW, or FAC
Sapling/Shrub Stratum (Plot size		Prevalence Index worksheet:
1		Total % Cover of Multiply by
2		OBL species x 1 =
3		FACW species x 2 =
5		FAC species x 3 =
	= Total Cover	FACU species x 4 =
Hern Stratum (Piot size)	25 V 1P1.	UPL species x 5 =
D. Carola	- 20 K FAC	Column Totals (A) (B)
2 20 00 145 300	A FACIL	Prevalence Index = B/A =
3 7 LAC 10 10	- 10 FAC	Hydrophytic Vegetation Indicators:
1 FI. (COLUMN 300	TO EAC	Dominance Test is >50%
6 L. VIUGORE	_ 10 VPL	Prevalence Index is ≤3.0°
, P. lanceolata	= 5 $=$ fac	Morphological Adaptations' (Provide supporting data in Remarks or on a separate sheet)
8		Welland Non-Vascular Plants
9		Problematic Hydrophytic Vegetation (Explain)
10		'Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
11	= Total Cover	
Woody Vine Stratum (Plot size)		
1		Hydrophytic Vegetation
2		Present? Yes No K
20.6	= Total Cover	
% Bare Ground in Herb Stratum 201		
T.C. III		

Sampling Point: K51

	he depth needed to document the indicator or confi		
epth Matrix nches) Color (moist)	Redox Features % Color (moist) % Type Loc²	Texture	Remarks
1911981 - VYIO: [1119181]			
175 TO 1627	3 100%	<u> </u>	
LIV - WATER			
71 11016012	10100/0200		
10-1 TOTAL 1-10	The take take to the second of		
			
voe: C=Concentration, D=Depletit	on, RM=Reduced Matrix, CS=Covered or Coated Sand	Grains. ² Loc	ation: PL=Pore Lining, M=Matrix.
dric Soil Indicators: (Applicable	e to all LRRs, unless otherwise noted.)	Indicato	re for Problematic Hydric Solis':
_ Histosof (A1)	Sandy Redox (S5)		h Muck (A10) Parent Material (TF2)
_ Histic Epipedon (A2)	Stripped Matrix (S6)		er (Explain in Remarks)
_ Black Histic (A3)	Loamy Mucky Mineral (F1) (except MLRA Loamy Glayed Matrix (F2)	Oine	a feedbase in Leaning and
_ Hydrogen Sulfide (A4)			
Depleted Below Dark Surface (A Thick Dark Surface (A12)	Redox Dark Surface (F6)		rs of hydrophytic vegetation and
Sandy Mucky Mineral (S1)	Depleted Dark Surface (F7)		nd hydrology must be present.
Sandy Gleyed Matrix (S4)	Redox Depressions (F8)	unles	s disturbed or problematic.
estrictive Layer (if present):			
Туре			Present? Yes No K
Depth (inches):		Hydric Soll	Present? YesNo
emarks			
YDROLOGY Vetland Hydrology Indicators:			
POROLOGY Vetland Hydrology Indicators:	required, check all that apply)	Seco	indery Indicators (2 or more required)
emarks OROLOGY Vetland Hydrology Indicators:	(equired, check all that apply) Water-Stained Leaves (B9) (except	Seco	indary Indicators (2 or more required) Nater-Stained Leaves (B9) (MLRA 1, 2
Pimary Indicators (minimum of one	(equired; check all that apply) Water-Stained Leaves (89) (except	Seco	indary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B)
POROLOGY Vetland Hydrology Indicators: rimary Indicators (minimum of one Surface Water (A1)	required; check all that apply) Water-Stained Leaves (89) (except 1, 2, 4A, and 48) Salt Crust (811)		indary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) Drainage Patterns (B10)
POROLOGY Vetland Hydrology Indicators: rimary Indicators (minimum of one Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1)	required; check all that apply) Water-Stained Leaves (B9) (except 1, 2, 4A, and 4B) Salt Crust (B11) Aqualic Invertebrates (B13)		ndary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2)
Primary Indicators: Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2)	required; check all that apply) Water-Stained Leaves (B9) (except 1, 2, 4A, and 4B) Salt Crust (B11) Aqualic Invertebrates (B13) Hydrogen Sulfide Odor (C1)	Seco MLRA \ [indary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C
Print Deposits (B3)	required; check all that apply) Water-Stained Leaves (B9) (except 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living	Seco MLRA \(\) [[[1] 1] Roots (C3) (C3)	indary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C Geomorphic Position (D2)
POROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one Surface Water (A1) High Water Tabla (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mail or Crust (B4)	required; check all that apply) Water-Stained Leaves (B9) (except 1, 2, 4A, and 4B) Salt Crust (B11) Aqualic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Presence of Reduced Iron (C4)	Seco MLRA \ [[[[[[[Indery Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Seturation Visible on Aerial Imagery (C Geomorphic Position (D2) Shallow Aquitard (D3)
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YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mai or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Im Sparsely Vegetated Concave Selections	water-Stained Leaves (B9) (except 1, 2, 4A, and 4B) Salt Crust (B11) Aqualic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Presence of Reduced Iron (C4) Recent Iron Reduction in Titled Solit Stunted or Stressed Plants (D1) (LF agery (B7) Other (Explain in Remarks)	Seco MLRA (Indary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
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POROLOGY Vetland Hydrology Indicators: Inimary Indicators (minimum of one Surface Water (A1) High Water Tabla (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mail or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Im Sparsely Vegetated Concave Siteld Observations: Surface Water Present? Vestication Present (Stream general Present)	Water-Stained Leaves (B9) (except 1, 2, 4A, and 4B) Salt Crust (B11) Aqualic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Presence of Reduced Iron (C4) Recent Iron Reduction in Titled Solli Stunted or Stressed Plants (D1) (LF agery (B7) Other (Explain in Remarks) S No Depth (inches): S No Depth (inches):	Second S	Indary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)



BGE Environmental, LLC.